

## AGENDA NOTES

### Fifty Eighth Meeting of the International Executive Council Sacramento, USA

**05 October 2007 : First Session : 09.00 - 12.00 hrs**

**05 October 2007 : Second Session : 14.00 - 17.00 hrs**

#### **Item 0 : Condolences**

It is with the feeling of profound grief that the passing away of Vice President Hon. Ir. C. Storsbergen (The Netherlands) on 30 March 2007, Vice President Hon. B.P. Bhatnagar (India) on 07 April 2007, and Dr. Wayne O. Deason (USA) on 18 March 2007 is reported.

Born in 1931, Ir. Storsbergen obtained his M.Sc. Degree in Civil Engineering from Delft University of Technology in 1968. His work experience covered the field of civil engineering, irrigation and drainage, flood protection etc. in various positions in several countries. He was Chairman of the erstwhile ICID Working Group on Construction, Rehabilitation, Modernization of Irrigation Project from 1993-1996. He was Vice President of ICID during 1996-1999.

Mr. Bhatnagar, born in March 1933, graduated with Honours in Civil Engineering in 1952. He held a number of important technical and administrative positions in Irrigation Department, State Government of Rajasthan and in the Government of India's public sector undertaking WAPCOS. He was Vice President of ICID during 1988-1991.

Dr. Deason contributed richly as the Chairman and member of the ICID Working Group on Environmental Impacts of Irrigation, Drainage and Flood Control Projects in its formative years.

Contribution and dedication of VPH Storsbergen, VPH Bhatnagar and Dr. Deason to ICID are widely recognized in the ICID fraternity and will be long remembered.

May their souls rest in eternal peace.

#### **CONDOLENCE RESOLUTION**

The 58<sup>th</sup> 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..

#### ***Opening Remarks by President***

#### **Item 1 : Opening remarks by President, ICID**

President Peter S. Lee will make his opening remarks.

#### ***Matters for Decision***

#### **Item 2 : Application of countries for ICID membership**

Application of Uruguay has been received for the membership of ICID, for consideration by the Council. Uruguay, a country located in the southeastern part of South America has a geographical area of 176,000 sq. km. with a population of 3.3 million. Agriculture and agri-industry in the country account for 23% of GDP. The total renewable water resource of the country is 139 cu. km. and the total irrigated area is presently about 197,000 ha. Country's UN contribution is 0.04%.

The country has applied for membership under Article 3.1 of ICID Constitution reproduced below:

*Article 3.1 : ‘ ICID consists of National Committees of Participating Countries, on the basis of one National Committee for each such country. 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. In such cases one officer shall be designated as Representative.’*

Presently, no National Committee exists in Uruguay. If admitted, the annual ICID membership subscription of Uruguay will be US\$ 1680 as worked out with the available data.

Albania (Europe) has also shown interest in the ICID membership. Its formal application, when received, will be put up for consideration.

### **Item 3 : Venues for Future Conferences**

Central Office, vide circular No.CM1/624-684 Dated 18 December 2006, requested the National Committees to submit their proposals for hosting 62<sup>nd</sup> IEC Meeting, 21<sup>st</sup> Congress and four Regional Conferences. The Iranian National Committee (IRNCID) had submitted their application in June 2006 (vide their e-mail dated 17 June 2006) offering to host the 62<sup>nd</sup> IEC and 21<sup>st</sup> Congress in 2011. The Russian National Committee (RuCID) vide their e-mail of 24 January 2007 have also offered to host the 62<sup>nd</sup> IEC and 21<sup>st</sup> Congress. The status of offers is as follows:

- |       |  |   |                 |
|-------|--|---|-----------------|
| (i)   | 5 <sup>th</sup> American Regional Conference             | : | Invitation open |
| (ii)  | 23 <sup>rd</sup> European Regional Conference            | : | Invitation open |
| (iii) | 4 <sup>th</sup> African Regional Conference              | : | Invitation open |
| (iv)  | 7 <sup>th</sup> Asian Regional Conference                | : | Invitation open |
| (v)   | 62 <sup>nd</sup> IEC and 21 <sup>st</sup> Congress, 2011 | : | IRNCID & RuCID  |

It may be mentioned that the venues for future IEC meetings, Congresses and Regional Conferences have already been approved by the Council upto 2010, as detailed below:

- 58<sup>th</sup> International Executive Council, Sacramento, USA, 30 September – 06 October 2007.
- 22<sup>nd</sup> European Regional Conference, Pavia, Italy, 02-06 September 2007.
- 2<sup>nd</sup> African Regional Conference, Johannesburg, South Africa, 06-09 November 2007
- 59<sup>th</sup> International Executive Council and 20<sup>th</sup> International Congress on Irrigation and Drainage, Lahore, Pakistan. 13-19 October 2008.
- 60<sup>th</sup> International Executive Council and 3<sup>rd</sup> African Regional Conference, Abuja, Nigeria, 2009.
- 5<sup>th</sup> Asian Regional Conference, India, December 2009.
- 61<sup>st</sup> International Executive Council and 6<sup>th</sup> Asian Regional Conference, Jogjakarta, Indonesia, 05-12 September 2010.

Representatives of the inviting National Committees attending the Council meeting will apprise the Council on details of their offers, including the probable dates when the events could be held. The National Committees, especially those offering to host the 21<sup>st</sup> Congress are invited to make a presentation regarding their offer and mention how the National Committee will contribute to ICID's technical and financial resources through the Congress.

### **Item 4 : Publication of ICID Journal beyond 2008**

ICID signed a contract with M/s. John Wiley & Sons, UK in 2000 to publish the ICID Journal on Irrigation and Drainage starting from 2001 for a period of 5 years (upto 2005). On expiry of the first term of 5 years, the agreement was extended for a second term of 3 years (upto 2008) on revised terms and prices for the Journal.

Under the agreement, ICID has to purchase 1000 copies of the Journal from M/s. John Wiley & Sons at a mutually agreed price to be distributed to its member National Committees, Office Bearers, Workbody Members and Young

Professionals. The distribution of the 'purchased 1000 copies' by Central Office is within ICID: broadly this covers 10 free copies for each NC (as per its choice of 'online' only or 'online + print'); free 'online access' for all Office Bearers and Workbody members; free copies for the members of the Editorial Board ('online' or 'online + print' as per choice); and 2 until last year and an enhanced 4 free copies this year for young professionals in every NC. As per the Central Office records (2007) the total number of copies that can be distributed free of cost to ICID member NCs (including young professionals), Workbody members and Office Bearers sums up to 836 (including two additional copies to young professionals in 2007 - *essentially to reduce the surplus copies as ordered*). The statistics of 2007 indicates 242 'online' copies and 594 'print + online' copies against 1000 copies purchased from the publishers under the present agreement.

The present extended agreement with M/s. John Wiley & Sons will expire on 31 December 2008. Under this agreement, there is a provision to revisit it before the end of 2007 to decide the future course of action.

During the Kuala Lumpur meetings in 2006, it was agreed that M/s. John Wiley & Sons will be given the first opportunity and invited to submit a proposal for continuation of the Agreement beyond 2008. This will be subjected to an evaluation which will help to determine about a possible extension for a third term to them. It is expected that the proposal will be available by July 2007 to be considered by the MT-Journal and MB and for a decision by IEC at Sacramento. Should there be a need, alternatively it is envisaged that proposals from other international publishers of technical journals that have shown interest in publishing the ICID Journal, will be invited for evaluation in 2007.

IEC may consider the developments until the meeting and arrive at a decision about granting a third term to the same publisher or inviting fresh offers from other international publishers, as appropriate.

#### **Item 5 : Appointment of New Chairman of PCSPOA**

Dr. Alain Vidal, Chairman, Permanent Committee on Strategy Planning and Organisational Affairs (PCSPOA) will be retiring at the conclusion of IEC meeting and appurtenant study tours at Sacramento, USA, October 2007. In terms of By-law 3.2.1.2 the President, in consultation with Secretary General proposed the nomination of Vice President Gao Zhanyi (China) to be the next Chairman of the Committee. His term as Chairman, PCSPOA will be from 2007-09, and will conclude at the end of 60<sup>th</sup> IEC and appurtenant tours in 2009.

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

At the 57<sup>th</sup> IEC meeting held in Kuala Lumpur, Malaysia in September 2006, it was agreed in principle to constitute a Task Force to Guide ICID's Inputs to the 5<sup>th</sup> World Water Forum (WWF-5) to be held in March 2009 in Istanbul, Turkey. The theme for the WWF-5 has been firmed up by the organizers as "Bridging Divides for Water".

In consultation with the MB members, a Task Force has been set up by a Notification, with the following composition.

- |     |   |   |             |
|-----|---|---|-------------|
| 1.  | Mr. Aly M. Shady, President Hon., ICID              | - | Chairman    |
| 2.  | Prof. dr. Bart Schultz, President Hon., ICID        | - | Coordinator |
| 3.  | Mr. Peter S. Lee, President, ICID                   | - | Member      |
| 4.  | VPH Chandra A. Madramootoo, Chair, PFC              | - | Member      |
| 5.  | VPH Hector M. Malano, Chair, PCTA                   | - | Member      |
| 6.  | VPH Alain Vidal, Chair, PCSPOA                      | - | Member      |
| 7.  | Er. M. Gopalakrishnan, SG, ICID                     | - | Member      |
| 8.  | Prof. Riota Nakamura, Vice President Hon., ICID     | - | Member      |
| 9.  | Prof. Victor A. Dukhovny, Vice President Hon., ICID | - | Member      |
| 10. | Prof. Dr. (Mrs.) Shaden Abdel Gawad                 | - | Member      |
| 11. | Representative of Turkish National Committee, ICID  | - | Member      |

A meeting of the TF has been scheduled on Monday, 01 October 2007, from 14.00-17.00 hours at Sacramento to chalk out further steps, which will be reported at the IEC meeting. Approval to the composition of the TF may be accorded.

**Item 7 : ICID@60, 2009**

ICID was established on 24 June 1950. Accordingly, the Commission will be entering 60<sup>th</sup> year of its establishment in 2009. Being a significant landmark in the life of ICID, it will be appropriate that the 60<sup>th</sup> year is celebrated in a befitting manner highlighting the achievements of the Commission in its march towards its mission objective.

It may be mentioned that ICID had earlier celebrated its Silver Jubilee in 1975 in Moscow, Russia during the 9<sup>th</sup> ICID Congress. The Central Office had brought out a Commemorative Volume containing messages and greetings from Office-Bearers, other dignitaries and eminent scientists from 35 countries, a comprehensive report on the activities of ICID during the period of 1950-1975, and articles from the National Committees on the development of irrigation, drainage and flood control in their respective countries. Seven National Committees had issued special postal stamps and the then USSR NC minted a special commemorative medal.

The Commission also celebrated 40<sup>th</sup> anniversary of its existence in 1990 at Rio de Janeiro, Brazil during the 14<sup>th</sup> Congress. A commemorative publication "Salutations/Greetings" was brought out by the Central Office which contained the messages and greetings from Office Bearers and other dignitaries. Also brought out was a 40<sup>th</sup> anniversary 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. Letterheads and stickers were brought out by the National Committees of Brazil and China to celebrate the occasion.

Thereafter the Golden Jubilee Year of ICID was celebrated in the year 2000 at Cape Town, South Africa during the 51<sup>st</sup> IEC meeting where a commemorative CD titled "ICID@50" was released highlighting Commission's achievements, all important milestones and historical perspectives, etc. This CD also contains the briefs on all the ICID Presidents, Vice Presidents and Secretaries General, the Commission has had. The Central Office designed a Golden Jubilee Year Logo which 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.

It is for consideration if the 60<sup>th</sup> Year of ICID could be commemorated with the release of another CD -- "ICID@60" with all updated information and statistics/data, country profiles on irrigation and drainage. The past and present Office-Bearers of the Commission will be invited to contribute memoirs of their association with ICID and messages. A special commemorative volume containing technical papers of topical interest can also be brought out. Since the 60<sup>th</sup> Year will coincide with ICID's 60<sup>th</sup> IEC in Abuja, Nigeria in 2009, the celebrations/release of CD could be done in Africa, a continent where the future thrust of action on water agenda lies. Any special technical events like workshops/sessions etc. in tune with the Forum Declarations in Istanbul in March 2009 could also be dedicated to the 60<sup>th</sup> year of ICID's foundation.

The members may provide further suggestions and IEC may consider and approve the idea to celebrate the 60<sup>th</sup> anniversary of ICID, on the lines chalked out.

***Reports for Approval*****Item 8 : Secretary General's Report****8.1 57<sup>th</sup> IEC**

The 57<sup>th</sup> IEC International Executive Council (IEC) was held from 10-15 September 2006. Concurrently, the 3<sup>rd</sup> Asian Regional Conference (ARC) and 7<sup>th</sup> International Micro Irrigation Congress (MIC) were held during 13-15 September 2006. The theme of the 3<sup>rd</sup> Asian Regional Conference was "Transforming Irrigated Agriculture into an Efficient Engine of Growth", while for the 7<sup>th</sup> International Micro Irrigation Congress, it was "Advances in Micro Irrigation for Optimum Crop Production and Resources Conservation". Besides the above meetings and conferences, over 30 ICID workbody meetings and 5 workshops were also held. The National Committee displays and Irrigation, Drainage and Water 2006 Exhibition were the other attractions. All these events were held under one roof at the magnificent 'Putra World Trade Centre' in Kuala Lumpur, Malaysia. More than 364 delegates from

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46 countries and representatives from several International Organizations participated in various events to make it successful.

The minutes of the 57<sup>th</sup> IEC meeting were posted on the ICID website on 8 December 2006 for wider circulation and the printed copies were dispatched on 21 December 2006.

## **8.2 Annual Report, ICID Journal and Other Publications**

The Annual Report for the year spanning April 2006 to March 2007 was under compilation at the time of writing the Agenda notes and will be dispatched to the National Committees in July 2006. Five issues and a Special Issue on Integrated Flood Management (Supplement 1, Vol.55) of the ICID Journal were printed through M/S John Wiley as per the current agreement for journal publication through publishers. These were directly mailed by publishers to the National Committees (NCs), Office-Bearers, Workbody members and others like young professionals based on the details supplied by the Central Office.

All issues of ICID Newsletters and News Updates were mailed and posted on the website on time. Spanish translation of the News Update supplied by the Spanish National Committee soon after the publications was inserted in the relevant section by the Central Office.

An initiative to have a web page in Russian language for the benefit of the Russian speaking NCs in East Europe and Central Asia was initiated with RuCID. Vice President Guluyk and RuCID Secretary General Dr. Mrs. Irene Bondarik rendered a very good support and the main web page was made operational in our website.

## **8.3 Active Members of ICID**

The ICID Network is spread over 105 countries: 27 in Africa, 16 in Americas, 33 in Asia and Oceania, and 29 in Europe. At the end of June 2007, there were 61 active NCs compared to 58 in the year 2005-06, with Iraq reactivating its National Committee and Kazakhstan having paid its subscription. Bangladesh National Committee has also remitted all its past dues of subscription in June 2007. In Africa there are 7 active NCs, 15 are deemed to be inactive and 5 were admitted but have not paid subscription to commence their membership. In Americas, out of 16 countries, 6 are active, 9 are deemed to be inactive and 1 country (Cuba) withdrew on its own. In Asia and Oceania, out of 33 NCs, there are 24 active, 4 are inactive, 4 were admitted but have not paid subscription and 1 country (New Zealand) withdrew on its own. Similarly, in Europe, out of a total of 29 NCs, 24 are active, 4 are deemed to be inactive and 1 (Denmark) withdrew on its own. Office-Bearers when visiting some of the countries having inactive National Committees have made efforts in respect of such NCs to reactivate their activities.

## **8.4 Workbodies**

Presently there are 3 Permanent Committees, 21 Working Groups/Work Teams and 4 Regional Working Groups, besides 3 administrative bodies namely, Management Board (MB), Office Bearers Committee (OBC) and Staff Committee (SC) that carry out the activities of the Commission. To assist MB on Journal issues, a separate Management Team for ICID Journal (MT-Journal) has been constituted. The proposals to launch 3 new workbodies, two of which (on 'Poverty Alleviation' and 'Financing Water for Agriculture') are expected to be taken up later for consideration by IEC. A total of 301 nominated representatives of NCs contribute their expertise on 416 membership slots on the workbodies,

## **8.5 Visits of Secretary General**

### **1. Cairo / Sharam El Sheik, February 2007**

Secretary General visited Egypt to deliver an invited talk before an International Workshop on "Reservoir inundation related issues" held in Cairo in February 2007. The invitation with travel support etc. was extended by Hon'ble Minister of Water Resources and Irrigation (MOWI) and President, Arab Water Council (AWC), VPH Dr. M. Abu-Zeid. The Third World Centre for Water Management were the organizers of the conference. Soon after the above event, Secretary General also participated in the final conference of the National Water Quality and Availability Management (NAWQAM) which addressed several aspects of Egypt's Paradigm in Integrated Water Resources Management. This was a CIDA and Government of Egypt's joint project. These meetings were richly participated in by ICID office bearers, past and present, and provided an excellent opportunity to interact with them, besides all the ENCID members.

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## **2. *Istanbul / Antalya, March 2007***

Together with President Lee, Secretary General could join the kick-off meetings of the 5<sup>th</sup> World Water Forum held in Istanbul, Turkey in March 2007. Thanks to the support from Turkish Organising Committee of Forum, the opportunity helped to interact with those involved in shaping the Forum including WWC. An IWALC meeting was also organised coinciding with these events. Interaction was feasible with the office bearers of TUCID on issues of mutual interest. The International Congress on River Basin Management, jointly organized by Turkey's General Directorate of State Hydraulic Works (DSI) and WWC from 22-24 March 2007 in Antalya, Turkey, after the WWC kick off meetings, was also attended.

## **3. *Tehran, May 2007***

Responding to an invitation from IRNCID to join the 4<sup>th</sup> Asian Regional Conference that was coupled with INPIM International Conference, Secretary General joined these events. Inter alia, the ICID History Working Group had its 25<sup>th</sup> year celebrations that coincided with a special seminar.

## **4. *Moscow, June 2007***

At the instance of RuCID, together with President, Secretary General joined a special meeting in Moscow on 8-9 June 2007 to consider the topic of "Water Management, Land Reclamation and Drainage in Russia". The travel and stay support provided by the Ministry of Agriculture, Land Reclamation is duly acknowledged.

## **5. *Bangkok, June 2007***

On the invitation of the World Bank, the 2<sup>nd</sup> Abu-Dhabi Dialogue on Water Cooperation in South Asia with participants drawn from the countries sharing "The Rivers of the Greater Himalayas" was attended by Secretary General. This was an informal, non representative, non attributable meet of experts to share views in the changing environments with Global Climate Change. The participation was facilitated by the World Bank with support for the travel / stay facilities.

## **6. *Meetings in India***

Secretary General participated in several water-related conferences within India and delivered talks or keynote speeches on topics concerning ICID. These events covered several areas of interest to World Bank, ADB, Union and State Governments in India and other NGOs and Societies. Most of them were with travel support when held outside Delhi.

### **8.6 Visits of Office-Bearers and Other Important Personalities to Central Office**

- Mr. A.C. Tyagi, Director, WMO visited the Central Office on 27 October 2006.
  - Vice President Hon. Hector Malano visited Central Office on 24 November 2006.
  - Dr. Shyamala Abeyratne of Winrock International and Gates Foundation visited the Central Office on 15 February 2007 and had discussions on Multiple Uses of Water.
  - President Hon. Bart Schultz, visited on 22 September 2006 and held discussions on various matters of mutual interest. Ms Annette Kimmich, Open University Geological Society, Switzerland visited Central Office on 19 October 2006.
  - President Hon. Ir. Keizrul bin Abdullah visited us on 8 December 2006.
  - Vice President Hon. R. Jeyaseelan on relinquishing his official Chair of INCID visited Central Office on 4 January 2007. The Central Office staff gathered to thank him for his contributions to various ICID committees, besides Staff Committee and Screening Committees.
  - Vice President Mark Svendsen visited Central Office on 11 June 2007. Dr. Mark Svendsen delivered a lecture on 'Global Climate Change and Irrigation' at a brainstorming session of New Delhi Centre of WWC.
  - President Peter S. Lee paid two visits to the Central Office during the year – the first one of the year on 11 November 2006 and the subsequent one on 5 January 2007.
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### **8.7 ICID Website and Text Delivery Service (TDS)**

A web counter installed on the website indicates hits of over 54172 by visitors to the site as of 27 June 2007.

Efforts are continuing to enrich the database available on the Text Delivery Service (TDS). Under the Articles Section, presently (up to May 2007) 6328 entries exist, while under the Books Section 30751 entries are available. A total of about 965 articles have been recently included on the TDS database from ICID and other publications. May I exhort our National Committees to widely publicize this useful, free of cost service for the professionals?

Apart from 3200 hits on the web site by June end (2007), the response for this service is better gauged by the inquiries and requests which emerged subsequently. About 47 inquiries and requests were received for the supply of technical literature and other materials, as of 31 May 2007. These were promptly responded to by the Central Office, normally in 48 hours, if there is no intervening holiday or weekend.

Advertisements were also sought from International Organizations, Equipment Manufacturers, Institutions, etc. for website insertions as well as Newsletter. I am glad to report that the efforts in this direction to augment our resources were successful though a lot more scope exists. I bank upon the support of the National Committees who can use their good offices to encourage advertisers in their countries to come forward not only in their own website or publications but also with the main ICID outlets managed from Central Office.

### **8.8 Webpages of Workbodies**

The Central Office has hired additional space on a server and registered a domain name 'www.icidonline.org' through which the WBs can directly access their respective web-pages. So far 21 Workbodies (WBs) have established individual web-pages for projecting their activities through ICID website. Special efforts were made to meet the specific requirements of the newly created Working Group on Global Climate Change and Irrigation last year.

### **8.9 Central Office Technical Library**

During the year, the Central Office Library recorded 279 accessions, thus bringing up the number of acquisitions to a total of 30751 as on 31 March 2007. Information (abstract) about all these books/publications is placed on Text Delivery Service (TDS).

There has been a new situation in the free exchange of journal and publications to and from international organizations and other NGOs. Some of them were looking for a 'mutually respected' gesture that was being followed until some time back when ICID journals were supplied to them '*gratis*' in exchange for their journals/publications. When a free exchange of ICID Journal was stopped by the Central Office with an advice to them to subscribe for the journal with John Wiley & Sons, a few organizations stopped their free exchange of publications/Journals, affecting adversely the number of acquisitions for the ICID Central Library.

### **8.10 ICID Publications**

The publication titled "Guidelines for Planning and Design of Micro Irrigation in Arid and Semi-Arid Regions" was brought out at the time of 57<sup>th</sup> IEC meeting in Kuala Lumpur, Malaysia, September 2006. ICID also brought out two workshop-related publications viz.,

- (i) Proceedings of the International Workshop on Water Saving Practices in Rice Paddy Cultivation, and
- (ii) Proceedings of the International Workshop on Environmental Consequence of Irrigation with Poor Quality Waters; Sustainability, Management and Institutional, Water Resources, Health and Social Issues.

Complimentary copies of the publications printed during 2006 were sent to all National Committees/Committee of ICID, current Office-Bearers, Members of Management Board (MB) and others.

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The following publications are in the pipeline and are expected to be brought out at the time of 58<sup>th</sup> IEC meeting in Sacramento:

1. Innovative Technologies and Management for Water Saving in Agriculture
2. Manual for Performance Evaluation of Sprinkler and Drip Irrigation Systems in Different Agro-Climatic Regions of the World
3. CD-ROM containing reports of
  - Task Force 2: Developing Position Paper on Global Issues related to Food Production, Security and Trade
  - Task Force 3: Developing Position Paper on Socio-economic Sustainability of Services Provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector
  - Task Force 4: Benchmarking of Irrigation and Drainage Projects
  - Task Force 5: Promoting Appropriate Decision-Making Procedures for New Dams, particularly for Irrigation, Drainage and Flood Management
4. CD-ROM containing the Proceedings of the 1<sup>st</sup> and 2<sup>nd</sup> Special Sessions and the Task Force Report on Least Developed Countries in Asia, and
5. Publication on "Global Experiences on Inter-Basin Water Transfers for Irrigation, Drainage and Flood Management".

#### **8.11 Sale of ICID Publications**

As reported at the last meeting, a large number of copies of unsold publications are lying in the Central Office, which also includes transactions of past congresses. Much of this literature is in French which can be of great value for the Francophone countries. The Secretary General will like to exhort ICID National Committees and members of the workbodies to help increase the sales of ICID publications. Suggestions for improvement of the sale of publications are also invited from all ICID members.

#### **8.12 Budget and Sponsorship**

During the Financial Year 2006-07, receipts and expenditure were Rs.18.87 M and Rs.17.06 M respectively, leaving a surplus of Rs.1.81 M against the approved budgeted deficit of Rs.5.16 M. The audited details of the accounts are included in the Agenda of PFC. For the remaining months upto the Financial Year ending March 2008, the deficit is estimated to be Rs.9.50 M against the earlier approved forecast deficit of Rs.4.72 M.

Needless to emphasize that the financial resources of the Commission are in a precarious situation and all-out efforts of the members will be needed to tide over further deterioration of the financial situation. An enhancement in the subscription rates of member National Committees is long overdue on which discussions are held each year commencing from Moscow in 2004, Beijing in 2005 and Kuala Lumpur in 2006. It was left to be firmed up in Sacramento. I hope that we are able to move further on this; should there be any further points to be resolved in this regard, may I seek your indulgence and kind consideration for an '*ad hoc*' increase of 15% of the annual rates for National Committees uniformly, pending a formal approval for the revision subsequently?

#### **8.13 Exchange of Information**

Copies of Newsletters were received from NCs of Great Britain, India, Iran, Korea and USA. These were dispatched to all the National Committees by the Central Office. The Central Office gratefully acknowledges the gesture of the concerned NCs for their support to help accomplish one of the primary objects of exchange of information in the Commission and to enrich Central Office Library. Other NCs are urged to take similar action.

ICID members may consider opening additional e-mail accounts on any of the portals that provide a large capacity, so that all ICID mails and other documents can be received by them separately for their early responses. The National Committees, especially those which are manned by officials from organizations receiving other official letters also in the same mailbox, can consider opening their independent mail address. This will facilitate segregation of ICID mail from other mails.

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It has also been observed that though the e-mail and postal addresses of some of the members change, such information is not passed on to the ICID Central Office in time with the result that old e-mail addresses of such members/National Committees remain posted on the ICID website. Frequently, important mails sent to those addresses are (obviously) not delivered. The members are therefore requested to kindly go through the ICID website and have a look at the National Committee/Workbody membership directory to ascertain their correct e-mail addresses and inform the Central Office immediately of any change.

#### **8.14 Country Policy Support Program (CPSP)**

Bulk of the activities carried out in the first phase of the 'Country Policy Support Programme' (CPSP) were successfully finalized in December 2005, although some spilled-over activities were completed during the year 2006.

ICID has brought out several draft publications during the course of the CPSP study. As an outcome, 14 printed reports and two softwares with user-friendly material have been published as final deliverables from the CPSP. All these reports/softwares have been posted on a specially created CPSP webpage <[www.icid.org/cpsp.html](http://www.icid.org/cpsp.html)> on our website for free download. The outcome of the study was also disseminated through 'GRID', published by International Program for Technology and Research in Irrigation and Drainage (IPTRID). Professionals from The Netherlands and Japan have shown interest in the 'BHIWA' model. It is encouraging to note that we are receiving queries from professionals/ researchers from some countries about the CPSP work and Central Office is supplying them copies of the printed publications besides CD ROM on CPSP and provide clarifications, if required.

ICID is grateful to the Government of The Netherlands for providing necessary financial support for carrying out the CPSP Phase-I. Through this programme, ICID could get an opportunity to deliberate on the challenging and complex task of exploring strategic direction for addressing water policy issues, considering needs of all the sectors in an integrated manner, keeping food security, environmental sustainability and rural development as the main focus. Handling the CPSP with Central Office support has provided an opportunity to enhance our visibility.

#### **8.15 WatSave Awards**

ICID is having difficulty in finding sponsors for the three prestigious WatSave Awards which are presented in 3 categories since 1998. So far, the National Committees of The Netherlands (1998), China (1999), India (2000), Korea (2001), Canada (2002), Japan (2003), France (2004), Spain (2005) and Malaysia (2006) have received the honour of sponsoring the Awards and it was hoped that generally the country hosting the IEC in a particular year will be gracious to sponsor these Awards. It is however getting more and more difficult in securing the money (US\$ 6000) for the three Awards. With the present status and financial difficulties for ICID, we may have to consider other options like presenting only one (or more than one) Award in rotation every year depending upon sponsorship sum secured, or present only a citation plaque and certificate without any cash component. Alternately, sponsorship by private sponsors can also be encouraged and this is being explored simultaneously for 2007, as there was no voluntary sponsorship until the time this agenda went to the press.

#### **8.16 Cooperation with other Global Organisations in water sector**

##### **8.16.1 World Water Council (WWC)**

ICID and WWC entered into an agreement of partnership, genesis of which was reported in the last IEC. In the sidelines of WWC meetings scheduled in Istanbul after the kick-off meeting for the WWF-5, this was signed by President Lee on behalf of ICID and President Loic Fouchon of WWC in March 2007.

##### **8.16.2 World Water Forum**

The kick-off meetings of the World Water Forum-5 (WWF-5) took place in Istanbul on 19-20 March 2007. ICID was represented at the meetings by President, Secretary General and other ICID Office Bearers. The theme for the WWF-5 has been firmed up by the organizers as 'Bridging Divides for Water'.

The likely thematic priorities which are being considered by the programme committee could broadly be:

**Water Security**

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

**Management and Governance**

4. Improving management of water services
5. Improving water governance
6. Innovation and water technologies

**Water use and Impacts**

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

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

**8.16.3 International Water-related Associations' Liaison Committee (IWALC)**

A meeting of IWALC was held on 22 March 2007 at Antalya, when the framework for approach for feeding WWF-5 was discussed with other sister organizations in IWALC fold.

**8.16.4 Global Water Partnership (GWP)**

ICID responded to the GWP Questionnaire for its 'Vitalization Framework'. ICID has sought GWP's significant involvement in the 20<sup>th</sup> Congress to be held in Lahore, Pakistan in 2008. ICID has been invited to the GWP 'Partners Meetings' organized on an inter-regional basis and has been assured of GWP's support for its efforts to put water for agriculture on the top of the agenda for the WWF-5.

**8.16.5 International Fund for Agricultural Development (IFAD)**

ICID has an 'Observer' status in the Governing Council of IFAD and vice versa. It has been decided to extend this cooperation at global, country and project levels. VPH Alain Vidal represented ICID in the 30<sup>th</sup> Session of IFAD's Governing Council held at Rome, Italy on 14-15 February 2007.

**8.16.6 International Commission on Large Dams (ICOLD)**

ICOLD has invited ICID to be a part of the Task Force to formulate a declaration on Hydropower in Africa. President Lee suggested the name of Secretary General Gopalakrishnan to be ICID's representative on the Task Force. President Lee also suggested that ICID's 2<sup>nd</sup> African Regional Conference on Irrigation and Drainage to be held in South Africa in November 2007 could be a good venue to publicize the Declaration to be finalized after due deliberations.

ICID collaboration with ICOLD on Farm Reservoirs has also been explored. President Lee has suggested that the ICID National Committees could be invited to send nominations from amongst whom the ICID nominee could be selected to join ICOLD's new Technical Committee on Small Dams. Central Office had taken steps to seek names of those who are keen to contribute from the National Committees for the above Technical Committee. President Lee also had discussions with President of ICOLD about the possible collaboration with them on Integrated Flood Management.

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### **8.16.7 World Meteorological Organisation (WMO)**

The 14<sup>th</sup> Session of the Commission for Agricultural Meteorology (CAGM-XIV) was held in New Delhi, on 28 October to 3 November 2006 in which, Secretary General, on invitation, participated.

An International Workshop on “Agro-meteorological Risk Management: Challenges and Opportunities” preceded the CAGM-XIV meetings. Quite a few common threads in the action plans of ICID and WMO are discernible in subjects like “*risks due to extreme climatic events like drought, floods, cyclone*”. WMO aims to specifically cover in the immediate future, “risk due to global climate change on rainfed agriculture and relevant coping strategies”. Their Open Area Programme Groups (OPAGs) in CAGMet (WMO) will be addressing three vital areas: “*Impact of Climate Change / Variability to Long-Range Predictions for Agriculture*”; “*Reduction of the Impact of Natural Disasters and Mitigation of Extreme Events in Agriculture, Forestry and Fisheries*” and “*Contribution of Agriculture to the State of Climate*” through Expert Teams.

### **8.16.8 Third World Centre for Water Management (TWCWM)**

TWCWM, in association with other global organizations like Arab Water Council, IWRA and ICID, organized a special event in Cairo on Reservoir Inundation related Issues. Invited papers from leading authors dealt with some good examples and lessons learnt. Secretary General on invitation from organizers, made a special presentation on Indian case history dealing with large water resources projects commissioned recently and highlighted the manner in which such issues are being addressed in recent times.

### **Item 9 : Report of the Management Board (MB)**

The 35<sup>th</sup> meeting of the Management Board (MB) was held in Kuala Lumpur on 9 September 2006. The 36<sup>th</sup> meeting is scheduled to be held on 29 September 2007 from 18.00 – 20.00 hours at Sacramento.

A summary report of the decisions/recommendations of MB since its 35<sup>th</sup> meeting will be presented to the Council by the Chair, PCSPOA.

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

The Committee will meet at Sacramento, USA on 02 October 2007 (First Session - 09:00-12:00 hours and Second Session – 14:00-17:00 hours) for its 18<sup>th</sup> meeting. The agenda for the Committee is given at Appendix 1, Page A-1.

The Chairman of the Committee will present his report for consideration and approval of the Council.

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

The 27<sup>th</sup> meeting of PCTA will be held on 03 October 2007 (First Session - 09:00-12:00 hours and Second Session – 14:00-17:00 hours) at Sacramento, USA. The agenda for the PCTA is given at Appendix XII, Page A-81.

The Chairman of PCTA will present his report for consideration and approval of the Council.

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

The 28<sup>th</sup> meeting of PFC will be held on 30 September 2007 from 14:00-17:00 hours. The agenda for the meeting of the Committee is given at Appendix XXXIII, page A-201.

The report of the Committee will be presented for consideration and approval of the Council.

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## Item 13 : Internal and External Reviews of ICID

### 13.1 Internal Reviews

#### **PCTA**

The report of the Internal Review on Functioning of ICID Technical Workbodies (under PCTA) was presented by VPH Dr. Hector Malano, Convenor of the Review Committee at the 57<sup>th</sup> IEC meeting in Kuala Lumpur. A copy of the report is attached as Annex to the PCTA Agenda. Further developments, if any, will be reported by the Convenor.

#### **PFC**

The preliminary report of the Special Committee to Review the Revenue and Cost Options for Improvement of ICID's Finances was presented at Kuala Lumpur by the Convenor of the Committee, VPH Prof. Chandra Madramootoo. Further recommendations, if any, of the Committee will be presented at the 58<sup>th</sup> IEC meeting.

#### **PCSPOA**

VPH Dr. Alain Vidal, who took over as the Convenor of the Special Committee to review issues under PCSPOA after the 57<sup>th</sup> IEC, has prepared the report of the Committee (attached as Annex 1 of PCSPOA Agenda), which will be presented at the Sacramento IEC.

### 13.2 External Review

During the discussions at the 57<sup>th</sup> IEC meeting in Kuala Lumpur on the presentation of preliminary External Review Report by VPH Alain Vidal, a Steering Committee for External Review was approved and it was decided that in its composition, one Past President, three Internal Review Committee Convenors and one Representative from the 'least subscription paying countries' will be included. On the basis of the discussions held during the IEC meeting and in consultation with the Management Board, the President approved the expansion of the Steering Committee for External Review of ICID as follows:

- |  |                     |
|--|---------------------|
| 1. Dr. Alain Vidal, Vice President Hon. ICID         | - Chairman/Convenor |
| 2. Dr. YooMan, HUH, Vice President, ICID             | - Member            |
| 3. Dr. Mark Svendsen, Vice President, ICID           | - Member            |
| 4. Dr. Safwat Abdel-Dayem, Vice President Hon., ICID | - Member            |
| 5. Three Internal Review Committee Convenors:        |                     |
| (i) Prof. Hector Malano, Chairman, PCTA              | - Member            |
| (ii) Prof. Chandra Madramootoo, Chairman, PFC        | - Member            |
| (iii) Dr. Alain Vidal, Chairman, PCSPOA              | - Member            |

*(Since Dr. Alain Vidal will be retiring as Chairman, PCSPOA & Convenor, PCSPOA Internal Review Committee with the conclusion of 58<sup>th</sup> IEC meeting and its appurtenant tours at Sacramento, the new Chair of PCSPOA will become a member of the Steering Committee, in his capacity as Convenor, PCSPOA Internal Review Committee.)*

- |   |          |
|---|----------|
| 6. One Representative from the nations with least subscriptions |          |
| Vice President Hon. I.K. Musa, Nigeria                          | - Member |
| 7. One Past President   |          |
| President Hon. John Hennessy, UK                                | - Member |

A notification regarding the expansion of the Steering Committee was issued on 5 July 2007.

IEC may note and approve the new composition of the Steering Committee. Further progress in the matter will be reported at the meeting.

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## ***Presentations***

### **Item 14 : Presentation on Strategy Theme ‘Systems’**

During the 58<sup>th</sup> IEC meeting, a presentation will be made on the Strategy Theme – Systems (ST.S). Dr. Willem F. Vlotman (Australia) is the Theme Leader.

### **Item 15 : Presentation of Awards/Plaques**

#### **15.1 WatSave Awards**

The President, in consultation with the Secretary General, constituted a Panel of Judges comprising President Hon. Keizrul bin Abdullah (Malaysia) as Convenor and Vice President Mark Svendsen (USA), Vice President Karim Shiati (Iran), Vice President Eiko Lubbe (Germany) and Vice President Hon. M.H. Amer (Egypt) as members for the three annual WatSave Awards.

The Convenor of the Panel of Judges, President Hon. Keizrul bin Abdullah will announce the Awards during the meeting.

#### **15.2 Plaques to Retiring Vice Presidents**

Citation Plaques shall be presented during the IEC meeting to the following retiring Vice Presidents of ICID for their commendable services and guidance to the ICID activities during their tenure as Vice Presidents (2004-2007).

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

#### **15.3 Plaques to Retiring Chairs of Workbodies**

The following Chairpersons of workbodies would be retiring this year and will be presented citation plaques for guiding the activities of the concerned workbodies.

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

#### **15.4 Award for the Best Paper in Journal ‘Irrigation and Drainage’**

A Best Paper Award was initiated from the 57<sup>th</sup> IEC meeting in Kuala Lumpur. The second Best Paper Award selected on the basis of the contributions to the Journal made during 2006 will be announced by Chair EB-JOUR, President Hon. Bart Schultz and presented at the time of Sacramento IEC. The Award will comprise books of specified value to be provided by M/s. John Wiley & Sons Ltd. and a citation plaque by ICID.

#### **15.5 Plaque to Secretary, ICID**

Er. K.N. Sharma, Secretary, ICID will be retiring on superannuation in March 2008 after a distinguished professional career spanning 40 years in various organizations in the field of water resources and hydro-power, including 19 years in the service of ICID. He will be presented a plaque for his valuable services and contribution to ICID.

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## Elections

### Item 16 : Election of Three Vice Presidents

As per Article 6.2.4 of the ICID Constitution (1996), the 3-year term of office (2004-2007) of the following three Vice Presidents will conclude at the end of the Sacramento IEC and its adjunct study tours.

|                     |                    |
|---------------------|--------------------|
| Dr. YooMan, HUH     | Korea (2004-2007)  |
| Dr. Hussein El-Atfy | Egypt (2004-2007)  |
| Dr. G.G. Guluyk     | Russia (2004-2007) |

Following six Vice Presidents will continue beyond 58<sup>th</sup> IEC:

|                               |                          |
|-------------------------------|--------------------------|
| Dr. Mark Svendsen             | USA (2005-2008)          |
| Mr. Felix B. Reinders         | South Africa (2005-2008) |
| Dr. Gao Zhanyi                | China (2005-2008)        |
| Dr. Eiko Lubbe                | Germany (2006-2009)      |
| Dr. Karim Shiati              | Iran (2006-2009)         |
| Mr. Mohd. Azhari bin Ghazalli | Malaysia (2006-2009)     |

Vide Central Office's circular dated 02 March 2007 and reminder dated 16 April 2007 the vacancies for the position of Vice President for the term 2007-2010 were notified. Inadvertently the deadline for the receipt of nominations was initially mentioned as 05 July 2007 (instead of 05 June 2007). However, immediately thereafter circulars and reminders correcting the error were issued to the National Committees (vide e-mails dated 04 May 2007, 15 May 2007 and 29 May 2007) indicating that the deadline was 05 June 2007 (and not 05 July 2007) in tune with the available provisions as per by-law 2.3. The deadline for receipt of the nominations as per the By-laws was 4 months in advance of the date of IEC meeting, i.e. 05 June 2007. A total of 5 (five) nominations were received in the Central Office. The particulars of receipt of nominations are tabulated below. Out of 5 nominations 3 nominations are valid.

| Sl. No. | Nominee                    | Country   | Date of dispatch of nomination by the National Committee | Date of receipt in the Central Office | Nomination validity                             |
|---------|----------------------------|-----------|--|---------------------------------------|---|
| 1.      | Engr. Dr. Illahi B. Shaikh | Pakistan  | Fax dated 11.5.2007<br>Letter dated 15.5.2007            | 11.5.2007<br>4.6.2007                 | Valid   |
| 2.      | Dr. A. Hafied A. Gany      | Indonesia | Letter dated 28.5.2007                                   | 28.5.2007                             | Valid   |
| 3       | Prof. Dr. Peter Kovalenko  | Ukraine   | E-mail of 4.6.2007<br>Letter dated 4.6.2007              | 4.6.2007<br>7.6.2007                  | Valid   |
| 4       | Mr. Salar Baker Samu       | Iraq      | E-mail dated 11.6.2007                                   | 11.6.2007                             | Received late, documents incomplete, not valid. |
| 5       | Dr. Mrs. Samia El-Guindy   | Egypt     | E-mail dated 19.6.2007                                   | 19.6.2007                             | Received late, documents incomplete, not valid. |

Election for the 3 positions of Vice President will be held at the meeting.



Regional allocation of NCs amongst the Vice Presidents for the current term 2006-07 is given below:

| Sr. No. | Vice President                                | Allocation of Region/National Committees for 2006-07   |
|---------|---|--|
| 1       | Dr. YooMan, HUH (Korea) 2004                  | <b>Active</b><br><b>East and South-East Asia</b> (Covering Chinese Taipei, Japan, Philippines and Korea)   |
| 2       | Dr. Hussein El-Atfy (Egypt) 2004              | <b>Active</b><br><b>Part-North-Eastern and Part-Eastern Europe Africa and Part West Asia</b> (Covering Cyprus, Ethiopia, Morocco and Egypt)<br><b>Admitted but not paid subscription</b><br>Yemen<br><b>Deemed to be inactive members</b><br>Ghana, Kenya, Madagascar, Malawi and Sudan  |
| 3       | Dr. G.G.Guluyk (Russia) 2004                  | <b>Active</b><br><b>Part Eastern Europe</b> (Covering Estonia, Finland, Kazakhstan, Lithuania, Romania, Ukraine, Uzbekistan and Russia)<br><b>Deemed to be inactive member</b><br>Bulgaria<br><b>Admitted but not paid subscription</b><br>Turkmenistan  |
| 4       | Dr. Mark Svendsen (USA) 2005                  | <b>Active</b><br><b>North and South America</b> (Covering Brazil, Canada, Chile, Guyana, Mexico and USA)<br><b>Deemed to be inactive members</b><br>Argentina, Colombia, Dom. Republic, Ecuador, Honduras, Panama, Peru, Surinam and Venezuela<br><b>Withdrawn on their own</b><br>Cuba  |
| 5       | Mr. Felix B. Reinders (South Africa) 2005     | <b>Active</b><br><b>Part-North-Eastern and Western Africa</b> (Covering Mali, Nigeria, Zambia and South Africa)<br><b>Admitted but not paid subscription</b><br>Burkina Faso, Chad, Mauritius, Niger and Sao Tome & Principe<br><b>Deemed to be inactive members</b><br>Angola, Ivory Coast, Libya, Mozambique, Senegal, Tanzania, Uganda and Zimbabwe   |
| 6       | Dr. Gao Zhanyi (China) 2005                   | <b>Active</b><br><b>East Asia</b> (Covering Bangladesh, India, Israel, Myanmar, Nepal, Pakistan, and China)<br><b>Admitted but not paid subscription</b><br>Mongolia   |
| 7       | Dr. Eiko Lubbe (Germany) 2006                 | <b>Active</b><br><b>Part Eastern and Western Europe and Part Africa</b> (Covering Austria, Croatia, Czech. Republic, France, Great Britain, Greece, Hungary, Ireland, Italy, Macedonia, Netherlands, Portugal, Slovenia, Spain, Switzerland, Yugoslavia and Germany)<br><b>Deemed to be inactive member</b><br>Algeria, Belgium, Poland, Slovak Republic and Tunisia<br><b>Withdrawn on their own</b><br>Denmark |
| 8       | Dr. Karim Shiati (Iran) 2006                  | <b>Active</b><br><b>South Asia</b> (Covering Iraq, Kyrgyz Rep., Syria, Turkey, and Iran)<br><b>Deemed to be inactive member</b><br>Jordan, Lebanon and Tajikistan<br><b>Admitted but not paid subscription</b><br>Azerbaijan   |
| 9       | Mr. Mohd. Azhari bin Ghazalli (Malaysia) 2006 | <b>Active</b><br><b>Asia and Oceania</b> (Covering Australia, Indonesia, Saudi Arabia, Sri Lanka, Thailand and Malaysia)<br><b>Deemed to be inactive member</b><br>Vietnam<br><b>Withdrawn on their own</b><br>New Zealand   |

Results of the election of 3 Vice Presidents and their *inter se* seniority will be announced by the President at the end of the election process.

*Any Other Business/Closing Remarks by President*

**Item 17 : Any Other Business**

**Item 18 : Closing Remarks by President, ICID**

**AGENDA 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)**

**Year of Establishment: 1990**

**Members :** (1) Vice President Hon. Alain Vidal, Chairman (France, 2003); (2) Vice President Dr. YooMan, HUH (Korea, 2004); (3) Vice President Dr. Hussein El-Atfy (Egypt, 2004); (4) Vice President Dr. G.G. Guluyk (Russia, 2004); (5) Vice President Dr. Mark Svendsen (USA, 2005); (6) Vice President Mr. Felix B. Reinders (South Africa, 2005); (7) Vice President Dr. Gao Zhanyi (China, 2005); (8) Vice President Dr. Ing. Eiko Lubbe (Germany, 2006); (9) Vice President Dr. Karim Shati (Iran, 2006); (10) Vice President Ir. Mohd. Azhari bin Ghazalli (Malaysia, 2006); (11) Vice President Hon. Mr. R. Jeyaseelan (India, 2003); (12) Vice President Hon. Prof. Victor A. Dukhovny (Uzbekistan, 2003) and (13) Er. M. Gopalakrishnan, Secretary General, ICID.

**Ex-Officio Members :** (1) Chairman, African Regional Working Group; (2) Chairman, European Regional Working Group; (3) Chairman, Asian Regional Working Group; (4) Chairman, American Regional Working Group; (5) Chairman, Working Group on Young Irrigation Professionals Forum; (6) Chairman, Committee on Congresses/Conferences; (7) Chairman, Special Work Team on Aral Sea Basin; and (8) Chairman, Special Work Team on Lake Chad Basin.

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

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

The minutes of the 17<sup>th</sup> meeting of PCSPOA held in Kuala Lumpur were circulated and placed on the ICID website in the first week of December 2006. Since no comments were received on the minutes, these may be 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** which also reflects the updations owing to the current position of Vice Presidents.

The Central Office has 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.

The Committee may discuss the report and take a view on its finalization and winding up of the TF.

**Item 3 : ICID Internal Review of PCSPOA**

The Chair, PCSPOA will present the report of the Special Committee which may be extensively deliberated upon at the meeting. Copy of the interim draft report is placed at **Annex 1**.

**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 58<sup>th</sup> IEC will join the Committee as members in their place. A new Chairperson of the Committee will also be appointed.

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. The Chairperson shall serve the Committee during the tenure of membership of this Committee.'

The name of the new Chair, as nominated by the President, in consultation with Secretary General will be informed at the meeting.

The Committee may nominate a Vice Chairman and a Secretary from amongst the members.

4.3 The membership provisions as included in **Annex 2** are being generally followed presently. This annex gives a compendium of provisions for membership, tenure of Workbodies, etc.

4.4 Membership nomination proposals received from Workbodies under PCSPOA are as follows :

**African Regional Working Group (AFRWG)**

Dr. Sizwe Mkhize (South Africa) for Chairmanship.  
Mr. Makonnen Loulseged (Ethiopia) for Chairmanship.  
Dr. H. Fahmy (Egypt) for Chairmanship.

**European Regional Working Group (ERWG)**

Dr. Pol Hakstege (The Netherlands)  
Dr. Irina G. Pankova (Russia) in place of Dr. E.P. Gusenkov

**Asian Regional Working Group (ASRWG)**

Mr. Hanan Itzkovitch (Israel) deferred at Kuala Lumpur.  
Engr. H.M. Jayatillake (Sri Lanka) deferred at Kuala Lumpur.

**Committee on Congresses/Conferences (C-CONGR)**

Mr. Felix Britz Reinders (South Africa)

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

Mr. Pavel Svirkin (Russia) in place of Dr. Nariman Shamsutdinov  
Dr. Lee Kwang-Ya (Korea) in place of Mr. Jong Min Park

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

Mr. Dominique Durlin (IPTRID) as Permanent Observer

**Item 5 : New member countries and Membership Drive**

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 to pay their first subscription to effect their membership formally. The response from them is awaited.

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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.

#### Item 6 : Active National Committees and reactivation of inactive NCs

**Attachment 2 of Annex 1** shows the updated list of ICID Network of participating countries as on 15 June 2007. The statement below summarizes the membership status, in detail.

| 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         |
| <b>Total</b>     | <b>61</b> | <b>32</b>             | <b>09</b>                          | <b>03</b> | <b>105</b> |

The inactive NCs in all the regions were exhorted to activate themselves. Vice Presidents, to whom the active and non-active NCs are attached, were also requested to use their good offices for reactivation of such NCs.

In Africa, the Central Office has written to the NCs of Algeria, Angola, Ghana, Ivory Coast, Kenya, Libya, Madagascar, Malawi, Mozambique, Senegal, Sudan, Tanzania, Tunisia, Uganda and Zimbabwe for their reactivation. The Kenyan National Committee has requested writing/waiving off of the outstanding arrears of the membership subscription from 2003 so as to reactivate their membership. The PCSPOA may consider their request sympathetically and recommend appropriately. Vide their e-mail dated 7 July 2007, Ivory Coast National Committee (IVCID) has informed that they plan to reactivate their membership. Their response is awaited. In the meantime, the Central Office has requested the above NCs to initiate steps to reactivate their membership by paying the current year's subscription until the issue of the arrears is considered by the concerned committee. Progress, if any, will be reported at the meeting.

In Europe, the National Committees of Bulgaria, Belgium, Poland and Slovak Republic have been approached for reactivation. Their response is awaited.

The ICID Central Office made efforts to reactivate the NCs of Bangladesh, Jordan, Lebanon, New Zealand, Tajikistan and Vietnam in Asia and Oceania region. The BANCID has paid the total membership subscription arrears for the period 2003-2007 and reactivated its membership of ICID. New Zealand intimated that they were examining the appropriateness of either the Government or an industry-based organization to initiate their ICID membership formalities.

While presenting the Permanent Finance Committee report, Vice President Hon. Chandra Madramootoo, Chairman, PFC had suggested at the 57<sup>th</sup> IEC that a high-level presidential committee may be created comprising President (as *Chairman*); Presidents Hon.; Vice Presidents and Vice Presidents Hon. to help reactivating the 33 (now 32) presently inactive National Committees so that they are inducted back into the ICID fold. This would also facilitate generating the membership fees as well as registrations to the conference from these National Committees. IEC approved the PFC report. During the visit of President Lee to Central Office on 5 January 2007,

the matter was discussed and he felt that there was already a high-level Committee in the form of PCSPOA which could instead be a Task Force to report directly to MB and IEC.

Progress, if any, upto the time of the Committee meeting will be reported by the Chair. The Committee may suggest ways and means to reactivate the inactive members.

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

The Central Office has requested Vice Presidents to send a report of their visits to the countries of their region to contact National Committees allocated to them and on the developmental activities undertaken.

During the 57<sup>th</sup> IEC meeting at Kuala Lumpur in 2006, the National Committees of Iran and Indonesia signed a Memorandum of Understanding (MoU) and the documents were exchanged.

As part of the regional cooperation, the NCs of Finland and Estonia will jointly organize the 10<sup>th</sup> International Drainage Workshop to be held in Helsinki (Finland)/Tallinn (Estonia) from 06-11 July 2008.

In his report to the Committee, Vice President G.G. Guluyk presented a number of activities initiated by him since KL IEC in the region/countries allocated to him towards fulfilling the ICID mission. The Kuala Lumpur Declaration was translated into Russian language and widely disseminated. He was instrumental in organizing seminars, workshops and congresses on various themes – one of them being the Congress on the topic “Water Management, Land Reclamation and Drainage in Russia” held on 7-8 June 2007 in Moscow, Russia where President and Secretary General also participated and contributed. He has sent various documents to the Prime Minister of Belarus for ICID membership. He has given all-out support to the RuCID for a proposal to host the 62<sup>nd</sup> IEC and 21<sup>st</sup> Congress of ICID in Moscow in 2011. VP Guluyk also organized several all-Russia conferences involving Russia and adjoining countries.

The Vice Presidents in-charge of different regions will present their reports.

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

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

The TF-LDCsAS has so far organized two Special Sessions – the first one at Kuala Lumpur during the 3<sup>rd</sup> meeting of TF in September 2006 and the second one at Tehran, Iran on 03 May 2007 during the 4<sup>th</sup> Asian Regional Conference. During the second session in Tehran, papers were presented by experts from Iran, Japan and Thailand. The TF also held its fourth meeting in Tehran, where the first draft of the summary report of TF-LDCsAS was presented by its Chairman and discussed by the participants. The deliberations touched upon the priority issues of irrigation in LDCs and proposed actions to be initiated by ICID for helping LDCs to solve their problems.

**(b) Task Force for African LDCs (TF-LDCsAF)**

The TF noted that out of 34 LDCs in Africa, only 10 countries were members of ICID. The TF discussed extensively on the ways and means to reactivate the inactive LDCs and also bring other LDCs under ICID fold. It was resolved that the representatives of ARID and SARIA would prepare a questionnaire for circulation amongst members for any input before circulation to non-member countries through the office of ARID, SARIA, FARA, RBO and Regional Workbodies. A model questionnaire has been sent by Central Office to ARID and SARIA to develop the questionnaire. The TF would conclude its activities preferably by 2007 but not later than 20<sup>th</sup> ICID Congress in Lahore in 2008. the final outcome/recommendations of the TF will be presented at a Special Workshop during 60<sup>th</sup> IEC and 4<sup>th</sup> African Regional Conference in Abuja, Nigeria in 2009.

**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 National Committees have been exhorted to send a copy of their Constitution to the Central Office and inform about modifications to them, if any.

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## **B. REVIEW OF TENURES AND ACTIVITIES OF WORKBODIES**

### **Item 10 : New Workbodies**

The PCSPOA considered the recommendation of the Committee on Public Relations and Publications (C-PR&P) that the present C-PR&P be split into two workbodies – one to look into the Public Relations aspects and periodical publications of ICID viz., Newsletter, News Update, and Annual Report, as well as Website, dissemination of important declarations, inputs etc., and the other Overarching Committee to look after the ICID technical publications. This was subsequently approved at the PCTA meeting and recommended to IEC for ratification at the 57<sup>th</sup> IEC in Kuala Lumpur, where Vice President Hon. Larry Stephens, present Chairman, C-PR&P recommended that the Chairs of PCSPOA and PCTA should interact during the year to make a concrete proposal for consideration at the next IEC meeting in Sacramento (2007) in this regard. President Lee observed that since the Chairs of PCSPOA and PCTA were members of the MB, this issue could be taken up there. The matter is presently under the consideration of MB and its recommendations will be reported at the meeting.

### **Item 11 : African Regional Working Group (AFRWG)**

The revised three-year work plan will be presented at the Sacramento meeting. The 2<sup>nd</sup> African Regional Conference will be held at Johannesburg, South Africa from 06-09 November 2007 on the theme “Contribution of rainfed and irrigated agriculture to poverty alleviation through increased productivity in Africa.”

The Chairman, AFRWG will present the report at the meeting.

### **Item 12 : European Regional Working Group (ERWG)**

The 22<sup>nd</sup> European Regional Conference will be held in Pavia, Italy from 02-06 September 2007 together with two international workshops on “History of Irrigation, Drainage and Flood Control” (2 September 2007) and “European Framework Directive in the Field of Water Policy” (3 September, 2007). The 10<sup>th</sup> International Drainage Workshop will be held in Helsinki (Finland)/Tallinn (Estonia) from 06-11 July 2008.

The Chairman will present his report at the meeting.

### **Item 13 : Asian Regional Working Group (ASRWG)**

ASRWG will revise its workplan at Sacramento. The 4<sup>th</sup> Asian Regional Conference (ARC) was successfully held in Tehran, Iran from 02-05 May 2007. The Conference was attended by 1000 experts from national, regional and international organizations representing 40 countries. A “Declaration of Tehran on Participatory Irrigation Management” was issued based on the presentations, conclusions and recommendations arrived at the conference.

The Chairman, ASRWG will present his report at the meeting.

### **Item 14 : American Regional Working Group (AMRWG)**

The WG will elect its Chairman, Vice Chairman and Secretary at the Sacramento meeting. A workshop on “Water Reforms and Pricing” will be organized at Sacramento. During the workshop, the activities of the WG will be reviewed and refined.

The report on the AMRWG meeting will be presented at the meeting.

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

The Work Team has already outlived its stipulated tenure of 6 years and it was decided to place a final proposal on the future course of action before the Management Board of ICID. A new three year work plan upto 2009 will be prepared based on the decision regarding the future existence of ST-ARAL and constitution of New Workbody etc.

The Chairman will present his report at the meeting.

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

The Pakistan National Committee has created a website: <http://www.icid2008.org> entirely devoted for the 59<sup>th</sup> IEC and 20<sup>th</sup> ICID Congress.

The Chair, C-CONGR will present his report at the meeting.

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

The WG will review the progress made by the National Committees in establishing the Young Professionals Forum (YPF). The WG will bring out a YPF Directory.

The Chairman, WG-YPF will present the report at the meeting.

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

At Kuala Lumpur, the tenure and mandate of the ST-LCB was decided after deliberations. Chair solicited the services of volunteers to serve as liaison persons of the WT in various concerned workbodies for effective exchange of information.

The draft three-year work plan (2006-07 to 2009) showing year-wise activities of the Team was extensively discussed and adopted.

The Chair, Special Work Team will present his report at the meeting.

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

The IEC at its 57<sup>th</sup> meeting held in Kuala Lumpur, Malaysia in September 2006 agreed in principle to constitute a Task Force to Guide ICID Inputs to the 5<sup>th</sup> World Water Forum (WWF-5) to be held in March 2009 in Istanbul, Turkey. The theme for the WWF-5 has been firmed up by the organizers as “Bridging Divides for Water”.

Presidents Hon. Aly Shady and Bart Schultz attended the Water Week of the World Bank held from 27 February to 02 March 2007 in Washington, USA where they seized the opportunity to discuss the developments with respect to the inputs of ICID to the WWF-5. In his memo to President Peter Lee, PH Bart Schultz has suggested the composition of the TF as follows:

- PH Aly Shady - Chairman of the TF.
- PH Bart Schultz – Coordinator of ICID inputs to various sessions with respect to the theme – Water for Food. He will also coordinate with other involved organizations and WWC.

In the light of the above recommendation and in consultation with MB, a Task Force has been set up by a Notification with the specified Terms of Reference and with the following composition:

- |  |               |
|--|---------------|
| 1. Mr. Aly M. Shady, President Hon., ICID          | - Chairman    |
| 2. Prof. dr. Bart Schultz, President Hon., ICID    | - Coordinator |
| 3. Mr. Peter S. Lee, President, ICID               | - Member      |
| 4. VPH Chandra A. Madramootoo, Chair, PFC          | - Member      |
| 5. VPH Hector M. Malano, Chair, PCTA               | - Member      |
| 6. VPH Alain Vidal, Chair, PCSPOA                  | - Member      |
| 7. Engr. M. Gopalakrishnan, SG, ICID               | - Member      |
| 8. Prof. Riota Nakamura, Vice President Hon., ICID | - Member      |
-

- |     |   |   |        |
|-----|---|---|--------|
| 9.  | Prof. Victor A. Dukhovny, Vice President Hon., ICID | - | Member |
| 10. | Prof. Dr. (Mrs.) Shaden Abdel Gawad                 | - | Member |
| 11. | Representative of Turkish National Committee, ICID  | - | Member |

A meeting of the TF has been scheduled on Monday, 01 October 2007 from 14.00-17.00 hours to chalk out the strategy and further steps.

Further progress will be reported at the meeting.

**Item 20 : Any other business**

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**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE****Report of the Internal Review of  
Permanent Committee for Strategy Planning and Organizational Affairs (PCSPOA)*****DRAFT VERSION 2 - June 2007*****Introduction**

In pursuance of the decision taken at the 56<sup>th</sup> International Executive Committee meeting held in Beijing, China in September 2005, the President in consultation with the Secretary General constituted a 5-member Special Committee to review the functioning of the ICID's Permanent Committee on Strategy Planning and Organizational Affairs under the Convenorship of Chair, PCSPOA, Vice President Hon. Engr. I.K. Musa. The Special Committee was mandated with special terms of reference to have an overall appraisal of the membership of ICID, block membership, membership subscription fund, Focus on Africa, Vice Presidents' role and other related issues. The Terms of Reference (ToR) for the Special Committee to Review Issues under ICID's Permanent Committee on Strategy Planning and Organizational Affairs are given at **Attachment 1**.

The Special Committee was composed by:

- |  |            |
|--|------------|
| 1. Vice President Hon. Engr. I.K. Musa (Nigeria)       | - Convener |
| 2. Vice President Hon. Dr. S. Taniyama (Japan)         | - Member   |
| 3. Vice President Prof. Victor Dukhovny (Uzbekistan)   | - Member   |
| 4. Vice President Mr. Felix B. Reinders (South Africa) | - Member   |
| 5. Vice President Dr. Gao Zhanyi (China)               | - Member   |

During the 57<sup>th</sup> International Executive Committee meeting held in Kuala Lumpur, Malaysia, in September 2006, the Committee recognized that it had not been able to achieve significant progress on this review. Due to the end of the Committee Convener's term as PCSPOA Chair, the composition of the Special Committee was reviewed as follows, while other members remained unchanged:

- |   |            |
|---|------------|
| 1. Vice President Hon. Alain Vidal (France) | - Convener |
|---|------------|

Furthermore, PCSPOA further deliberated on the issues and made the following suggestions for consideration of the Special Committee:

1. **Membership:** Life membership or advance payment for several years should be considered, in order to provide incentive to NCs paying regularly while making membership of countries having difficulties to pay their subscription more sustainable.
  2. **Block membership:** Constitution does not allow block membership and voting, or proxies (all of which imply "block membership") to change this, an NC (not the PCSPOA) would need to propose the required amendment in writing, and a Special Committee would then consider the implications. It might be more productive to focus on consideration of support for regional groups and granting observer participation by regional institutions (with more recognition).
  3. **Membership Subscription Fund:** Has to be further explored, especially the initial grant to start the fund.
  4. **Focus on Africa:** Remains important, to be evaluated by the review committee with further inputs from AFRWG and inactive NCs from Africa.
  5. **Vice-Presidents' Role:** A report is expected from the concerned TF.
  6. **Miscellaneous – PCSPOA Secretary:** Should normally be elected from among Committee members but secretarial support could be granted by the host National Committee or by any of the ex-officio members.
-

This report presents the outcomes of the internal review conducted along the revised TORs.

## 1. Membership of ICID

63 national committees were members of ICID in 2005. That number has ranged during the last 15 years between 63 and 70. 50 countries are rated active countries as of September 2006. The total irrigated area in ICID active member countries is about 230 million ha accounting for about 83.5 percent of the area irrigated worldwide.

However only 34 countries have delegates to the International Council meetings, among others because delegates from some countries leave before the IEC Meeting held on the last day of Congresses and other events. The number of countries, which are members or have been members at a certain point in time, exceeds 100.

Among the 43 non-active countries are 7 countries with more than one million ha under irrigation, including Bangladesh (3.8 million ha), Vietnam (3 million ha) Sudan (1.9 million ha), Argentina (1.5 million ha), Peru (1.1 million ha) and Madagascar (1 million ha). Another group of countries with 0.5 to one million ha are also inactive countries.

An interesting point is that the almost constant number of member countries hides the "replacement" of some members who had been for long with ICID (eg Tunisia, Algeria) and withdrew, by new members, particularly from Subsaharan Africa (eg Burkina Faso, Chad, Niger), as shown in the Table below.

| Name of Country | Region  | Year of Membership | Year when inactive           | Year when admitted but not paid subscription |
|-----------------|---------|--------------------|------------------------------|--|
| Algeria         |         | 1965               | 1999                         | -  |
| Angola          |         | 1978               | 1994                         | -  |
| Argentina       | America | 1975               | 2004                         | -  |
| Azerbaijan      | Asia    | -                  | -                            | 2005   |
| Bangladesh      | Asia    | 1973               | -                            | -  |
| Belgium         | Europe  | 1988               | 1997                         | -  |
| Bulgaria        | Europe  | 1960               | 2006                         | -  |
| Burkina Faso    | Africa  | -                  | -                            | 2000   |
| Chad            | Africa  | -                  | -                            | 2003   |
| Colombia        | America | 1966               | 2003                         | -  |
| Croatia         | Europe  | 1993               | -                            | -  |
| Cuba            | America | 1970               | 1991 (withdrew on their own) | -  |
| Czech Republic  | Europe  | 1997               | -                            | -  |
| Estonia         | Europe  | 2001               | -                            | -  |
| Finland         | Europe  | 2000               | -                            | -  |
| Guyana *        | America | 1992               | -                            | -  |
| Honduras        | America | 1979               | 1999                         | -  |
| Iraq *          | Asia    | 2006               | -                            | -  |
| Jordan          | Asia    | 1978               | 2003                         | -  |
| Kazakhstan      | Asia    | 2006               | -                            | -  |
| Kyrgyz Republic | Asia    | 2004               | -                            | -  |
| Libya           | Africa  | 1988               | 2000                         | -  |
| Lithuania       | Europe  | 1994               | -                            | -  |
| Macedonia       | Europe  | 1995               | -                            | -  |
| Malawi          | Africa  | 1967               | 2004                         | -  |
| Mali            | Africa  | 2005               | -                            | -  |
| Mauritius       | Africa  | -                  | -                            | 1992   |
| Mongolia        | Asia    | -                  | -                            | 1993   |
| Mozambique      | Africa  | 1978               | 2006                         | -  |
| Niger           | Africa  | -                  | -                            | 2003   |
| Panama          | America | 1980               | 1990                         | -  |
| Poland          | Europe  | 1957               | 2006                         | -  |
| Romania *       | Europe  | 1992               | -                            | -  |
| Senegal         | Africa  | 1966               | 1992                         | -  |
| Slovak Republic | Europe  | 1996               | 2006                         | -  |
| Slovenia        | Europe  | 1993               | -                            | -  |
| South Africa    | Africa  | 1993               | -                            | -  |

| Name of Country | Region | Year of Membership | Year when inactive | Year when admitted but not paid subscription |
|-----------------|--------|--------------------|--------------------|--|
| Sudan           | Africa | 1964               | 2003               | -  |
| Tajikistan      | Asia   | 1997               | 2003               | -  |
| Tanzania        | Africa | 2000               | 2006               | -  |
| Tunisia         | Africa | 1960               | 1993               | -  |
| Turkmenistan    | Asia   | -                  | -                  | 1996   |
| Ukraine         | Europe | 1996               | -                  | -  |
| Uzbekistan      | Asia   | 1994               | -                  | -  |
| Viet-Nam        | Asia   | 1960               | 2003               | -  |
| Yemen           | Asia   | -                  | -                  | 1993   |
| Yugoslavia *    | Europe | 2002               | -                  | -  |
| Zimbabwe        | Africa | 1955               | 2001               | -  |

Finally, Central Office regularly contacts countries where informal contacts have been established, to identify the existence or emergence of a national committee, and to pave the way for future membership, especially by showcasing the benefits from ICID membership. **Attachment 2** shows the ICID membership network statistics as on 15 June 2007.

### Recommendations by PCSPOA

Having reviewed existing mechanisms and available enabling provisions, PCSPOA 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 PCSPOA 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.

## 2. Block Membership

While we might have regional groupings, the Constitution does not allow block representation and voting, or proxies (all of which may be implied by "block membership"). Changing this would require a change in the constitution proposed by a NC, that would need to propose the required amendment in writing, and a Special Committee would then consider the implications. This would be a long process, where probably no National Committee or Regional Association would really gain, since one of the roles of regional irrigation and drainage associations (eg SARIA, ARID), has been to foster the emergence of and develop National Committees in their respective regions, for those to be independent and sustainable.

### Recommendations by PCSPOA

PCSPOA considers 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.

## 3. Membership Subscription Fund

The idea of a Membership Subscription Fund to enthrone Least Developed and poor country's participation is ambitious. In the past years, ICID has been quite successful and effective in delivering awards to individuals or institutions for their accomplishments in the I&D science, technology and management (eg WatSave awards), and could certainly develop the proper criteria and mechanism to award a Membership fee.

Another route opted in the past was sponsorship of the subscription, or other costs such as attendance at meetings. (e.g. Japan had supported the participation of Korea, China has supported the participation of North Korea in 2005 Beijing events; there could be other examples too). The basis to attract such sponsorship was essentially the



desirability of inducting the country in ICID fold and recognizing their monetary difficulties but sponsors stepped in, based on the merits of the process. Such sponsorships will probably continue to occur, but this does not necessarily open the way for a institutionalised ICID-based Membership Subscription Fund.

Indeed, there is a major constraint to the implementation of such a Fund, which is attracting external or internal funds. Donors are nowadays keen on supporting project and/or productive activities much more than institutions, and it is unlikely that any donor will support such a Fund whose direct output would be the initial participation of Least Developed Countries representatives in ICID working bodies, for which the "investment return" would be negligible for the concerned donor. Furthermore, an increasing number of National Committees of developed countries (esp. in the EU-27) also now face difficulties to maintain their subscription and finance their participation in ICID meetings, and those are unlikely to contribute to such a Fund. The incapacity of ICID, after two years, to mobilize funds (both internally and externally) to finance its Internal Review, although considered by NCs and by donors regularly attending ICID meetings a useful and important milestone in our Commission's life, is a good illustration of this.

### **Recommendations by PCSPOA**

While the PCSPOA considers the idea of a Membership Subscription Fund to enthuse 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.

## **4. Focus on Africa**

There has been a tremendous focus on Africa in the donor and scientific communities since the early 2000's, which ICID more explicitly joined during its IEC meeting held in Montpellier in 2003 (even if its Africa Focus Group had already explored ways of develop the presence of African in ICID, but not necessarily with the proper consideration from the rest of ICID). Answering to the representative of French Minister of Foreign Affairs in the Opening Session, President Keizrul stated that more efforts should be made to develop irrigation in Africa.

We should first recognize that, getting our colleagues from Africa on board, who on the average are younger and less familiar with international meetings and workbodies than most ICID active professionals, will take time. It is not only their financial ability which is a constraint, but the most dynamic among them are also often mobilized to participate in the international initiatives accompanying the aforementioned focus (eg GWP activities on IWRM, Stockholm World Water Week, regional workshops organized by development banks and bilateral donors, etc.). ICID should demonstrate its attractiveness and added value within this global momentum, where participation of African professionals is often sponsored by donors or international programs, an advantage ICID can barely offer them.

In the recent years, ICID has developed several initiatives directly or indirectly turned towards Africa : French translation of the Newsletter (esp. for West and Central Africa francophone countries), Lake Chad Initiative, reduced registration fees for Young Professionals, more frequent Africa regional conferences, mentoring regional associations and granting them a permanent observer status (ARID and SARIA). These have successfully contributed to significantly increase the emergence of National Committees (even if a majority of them remains "inactive" within ICID, while for some being quite active in their countries), and the participation of African representatives in ICID events.

There is probably more to do by developing a "Preference for Africa" when, for example, deciding future locations of IECs and Regional Conferences, electing Vice-Presidents and workbodies chairs, vice-chairs and secretaries, or designing future CPSP activities.

### **Recommendations by PCSPOA**

PCSPOA 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 (eg 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.).

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## 5. Vice Presidents' Role

In January 2002, a Task Force (TF6) for Reviewing and Suggesting Roles and Responsibilities of Vice Presidents was constituted under the Convenorship of President Hon. Keizrul bin Abdullah, with Vice President Hon. Taniyama (Japan) and Vice President Hon. Amer (Egypt) as its members. The Terms of Reference (ToR) of the TF6 circulated with the above notification included reviewing the existing role and responsibility of Vice Presidents stipulated under by-law 3.4 and more clearly suggest how their experience and expertise could be further gainfully utilized in promoting the mission of the Commission and enhancing participation and activities of National Committees in the ICID programs. For further clarity of the roles and responsibilities, the TF6 was asked to make specific recommendations regarding terms of reference, job description, duties and commitment in their involvement with the activities of the region/group of participating members in particular and ICID in general.

A preliminary draft of report of the TF6 was presented at the 14<sup>th</sup> meeting of PCSPOA in Montpellier, France in September 2003 where three constraints were identified: VPs do not have a budget for closer interaction with NCs; only some VPs are involved in ICID workbodies; and how to implement these activities if there is no specific budget for this purpose. A suggestion was also made that redistribution of responsibilities needed to be re-examined and options for improvement to be discussed, such as assigning VPs to work with NCs that are considered inactive and VPs active in a region through their work be assigned to that region rather than their geographical focus. The report also suggested five options for utilizing the services of the VPs of ICID more effectively, which are summarized below:

### *Option 1*

- If the main role of the VP is to foster and encourage greater participation for 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 work bodies or other more specific role such as relations with other international organizations, strategic themes, brainstorming task force and followup on the activities of work bodies.

### *Option 3*

- Look for budget and allocate or work on sponsorship to allow VPs to implement their responsibilities. Utilize IT and work virtual.

### *Option 4*

- Assign VPs to help National Committees in danger of being 'deemed to be inactive members'.

### *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 TF6 Report could not be finalized in any of the subsequent PCSPOA meetings held in Moscow, Beijing and Kuala Lumpur due to one reason or the other and it was decided that deliberations on TF6 report could be deferred to Sacramento meeting of PCSPOA where the TF would wind up. A copy of the draft report annexed to the Agenda of the Beijing meeting is attached as **Attachment 3** which indicates some changes (relevant at that point of time) in the allocated regions due to retirement/election of VPs at the Moscow IEC in 2004, which has been further modified with the current position of VPs.

Whatsoever, in the past years, VPs have accomplished noticeable regional efforts to revitalize NCs, exhort them for timely payments, or just become members of ICID. This has included, among others, translation of ICID documents, invitation to participate in ICID regional or global events, organisation of regional events (eg SARIA meeting in

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Southern Africa) or competitions (eg water conservation competitions in Central Asia). VPs probably need to say first which NCs they are going to work with (before Central Office does this for them, which is not nearly so meaningful).

#### **Recommendations by PCSPOA**

PCSPOA endorses the options proposed by TF6 which give more active responsibilities to Vice-Presidents, ie 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 ones proposed in options 1, 2 and 5.

#### **6. Miscellaneous**

The issue of secretarial support for PCSPOA in its meeting was raised, in view of its fast rotating membership related to its composition only made of active VPs. The suggestion of Central Office providing secretarial support has been suggested, but faces the financial limitation of the number of Central Office staff attending IEC meetings. This should remain an option when feasible however. Another option tested in Kuala Lumpur in 2006 was to have the hosting National Committee providing secretarial support.

#### **Recommendations by PCSPOA**

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.

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**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE**  
**December 2005**

**Terms of Reference for the Internal Review of  
Permanent Committee for Strategy Planning and Organizational Affairs (PCSPOA)**

**Introduction**

In the 56<sup>th</sup> International Executive council Meeting, a resolution asking for an internal review of ICID simultaneously with an external review was adopted within a '*desired time frame*' of one year.

The initial Terms of Reference for the External review were drafted by President Lee with a proposal to constitute a Steering Committee (SC) to pursue it further.

The Steering Committee stands constituted and is looking at different aspects of the External Review.

The ToR for Internal Review of PCSPOA is the scope of this document.

**Preamble**

ICID in its 55 years of existence could steadily increase its membership network from 11 to 105 countries covering over 95% of the world's area with irrigation, drainage and flood control systems. We should hasten to add, however, that only 64 of these member countries are as on date active which term denotes their interest in us as reflected by payment of their country's subscription in time, granting permitted lapse schedules.

While the first Congress was attended by less than 100 delegates, the 19th Congress in September 2005 in Beijing, China was attended by 384 delegates. However, on occasions like the 17<sup>th</sup> Congress in Granada, it attracted as many as 700 delegates and also in Montreal, a sizeable number touching 1000 attended.

ICID started by publishing a periodic Journal; this is emerging as a full-fledged *peer reviewed* scientific Journal published 5 times a year (2006). The Journal figures in Science Citation Index with an impact factor of 0.508 (in 2004) and thus demonstrates its effective role to enhance the global knowledge in '**Irrigation and Drainage**'.

Several other means of information dissemination have been set up, including a **ICID web site** which provides, among others, a **Text Delivery Service (TDS)**, free of cost on demand. ICID has progressed to a situation where more and more of its counsel is sought by world leaders.

The **Internal Review** of PCSPOA will aim to critically examine the strength and weakness of the Organisation as a whole, as it obtains at present and suggest as to how best ICID could continue to be effective more and more, especially when a large number of water related Organisations have sprung up in recent times. ***Inter-alia, the aim will be to take on board more members into its fold recognizing the problems that the emerging and Least Developed nations face in Africa and in some cases, in Asia and South America.*** {(given the situation that 78% of world's irrigated and drainage areas lie in developing countries (and least developed countries) and the future focus is likely to address their concerns}.

**I. ICID - Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA)**

Formerly known as '**Membership Committee**' (prior to 1997), the Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA) while mainly concerning itself with the task of accomplishing an increase in the number of member countries shifted focus to a wider agenda. Inter-alia, these included assistance to the National Committees to become more active in their own countries by measures like broad basing, adoption of Constitution etc in order to achieve ICID goals. The Committee also undertook measures related to strategic planning for ICID and coordinates the efforts of the Vice-Presidents in this regard.

The Committee is composed of the incumbent Vice-Presidents, the Secretary-General besides the three immediate past Vice-Presidents. The Committee monitors the progress of the regional activities undertaken by the focus groups/regional groups and activities of special membership categories like the Young Professionals Forum, and

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regional associations and deals with the long-term policies and strategies of the Commission and the global or regional programs related with such objectives.

Issues that came up before the Committee in enhancing the membership as well as holding the existing membership who were becoming inactive due essentially to non payment of their subscriptions (three years successive default in payment of annual subscriptions make such National Committees inactive with associated sanctions) are:

- Some of the Least Developed Nations could not afford to subscribe and needed financial support from external sources to continue their membership.
- These could not also participate in annual ICID events due to financial difficulties.
- A view expressed in AFRWG meeting in 56<sup>th</sup> Beijing events was regarding block membership which could help them to at least participate rotationally and enable them to become individual members with the gaining of financial strength.

The respective provisions dealing with the aspects of default in membership subscriptions are as below: (to quote):

- **“By-Law (13)**

***Sanctions against National Committees in Arrears***

**13.1 Two Years in Arrears**

*The National Committees in arrears for two years or more (excluding the current year) shall be debarred from holding office - whether it be as Office-bearer or as a member of a work body until such time as the arrears are paid.*

**13.2 Three Years in Arrears**

*The National Committees in arrears for three years or more (excluding the current year) shall be subject to the following provisions*

- (a) *shall be subject to the provision of By-law (13.1) above, and*
- (b) *shall not be supplied with the documents or reports of the Commission, and*
- (c) *shall have no right of voting at a meeting of the Council, and*
- (d) *shall be deemed to have withdrawn from membership of ICID and as a consequence shall be required to pay registration fees for attending at IEC meetings, Regional Conferences, Congresses, and the like as if they be non-members of ICID, at an enhanced registration fee to be determined by the IEC. One half of the additional Registration Fee shall be remitted by the host National Committee to the Central Office and the remaining half shall be retained by the host National Committee always until such time as the arrears be paid.*

**13.3 Suspension of Sanctions**

*A National Committee in arrears of its annual subscription may before the time determined in By-laws (13.1 and 13.2) apply for suspension of the sanctions under Article 5.8 of the Constitution through a special request based on well founded justifications. Such a suspension will become effective only after the notification by the Secretary-General, to the National Committee concerned, of the decision by the International Executive Council allowing or disallowing the application of suspension of the enforcement of sanctions; and stating the period of suspension authorized by the Council if allowed.”*

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## Present options to bail out a sinking membership

- **PFC Route**

The requests for the removal for suspension of sanctions as and when received were treated on a case to case basis by PFC on individual merits and in a few cases the arrear sums have been waived of totally while re-inducting a National Committee based on PFC's recommendations by IEC.

PFC's action to waive subscription arrears is only in reaction to a problem that has already occurred. But it is seen in several cases that financial support by itself leads to participation only as long as the support continues.

- **Membership Mentored Package deal**

In the 56<sup>th</sup> IEC, the Chair, PFC initiated to consider a proposal to waive the subscription of selected countries provided this is part of a mentored package. The details need to be worked out. Inter-alia these could be:

- (a) countries be selected competitively by their peers, probably through the relevant regional working group, targeted at countries that are best able to benefit from this support in the long-term, and
- (b) mentored actively by an Office-Bearer, National Committee and/or regional working group

It is likely that it would be of interest only to existing members that were temporary difficulty with their subscriptions, but also a new member. Two awards for Africa and one each for each of the other ICID regions.

- **Sponsorship**

Another route opted in the past was sponsorship of the subscription, or other costs such as attendance at meetings. (e.g: *Japan had supported the participation of Korea, China has supported the participation of North Korea in 2005 Beijing events; there could be other examples too*). The basis to attract such sponsorship was essentially the desirability of inducting the country in ICID fold and recognizing their monetary difficulties but sponsors stepped in, based on the merits of the process. In accordance with the following provision exist, the recommendation of minutes of the PCSPOA of the last meeting has to be seen in the light of the adopted minutes in IEC.

- **Membership Subscription Fund**

In the 56<sup>th</sup> IEC, Secretary General proposed in his oral report certain suggestions related to this issue. He advocated creation of a new 'Membership Subscription Fund'. This item was explained thus:

*"Some of the ICID member countries have had difficulties in regular payment of membership subscriptions. Unfortunately a few of the countries, especially in Africa and South-America, have since become inactive due to financial constraints. Although the ICID fraternity has been endeavouring to bring them back in the membership fold, not much success has been achieved in this regard. It is therefore proposed that to support such developing countries, especially least developed countries as well as those who have very limited financial resources and are keen to join ICID membership, a 'Membership Support Fund' may be created within ICID. Such a Fund will be made up of voluntary financial contributions and donations by ICID member countries. The holding in the Fund, or interest accrued therefrom, will be used to partly support or subsidize membership of the needy countries for a year or so, when they will be able to generate their own resources from within the country to continue ICID membership. A separate 'Head' can be created within the ICID accounts for operation of the Fund in a transparent manner. The entitlement criteria for support to a recipient country can be based on its GDP per capita, its contribution to UN, the level of food security in the country etc. The modalities for setting up the Fund and criteria for financial support to needy countries would have to be developed and brought before Management Board."*

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- **Block Membership**

In the 16<sup>th</sup> meeting of African Regional Working Group held at Beijing on 11 September 2005, an issue that came up was Block Membership. The Regional Association of Irrigation and Drainage in West and Central Africa (RAID) proposed such Block Membership for group of countries that are participating in regional associations. A similar request also came from Southern African Regional Association for Irrigation and Drainage (SARIA).

As of now, no block membership exists in ICID Constitution and By-laws. Block Membership and the entitlements are a matter for consideration as to how best these routes could serve the interest of the Commission and in due course of time enhance its individual country membership. Since Block Membership asks for a change in the Constitution and By-laws, a process will be initiated by pressing necessary amendments to the Constitution. This has to emerge from either a National Committee or Secretary General; the IEC will constitute a Committee to look into the various aspects and come up with recommendations with the proposed amendments for its consideration. This process will take some time.

The other option could be seeking the status of Permanent Observers in case of SARIA and RAID under ICID Constitution Article 9.1. If such a status is required to be granted, there is adequate provision under By-law 3.1.5 and Constitution Article 9.1 for representation in workbodies. This By-law provides accommodating the observers in workbodies to attend the meeting without being entitled to speak (except with the permission of the Chair) or vote.

## **II. Vice Presidents' Role**

In the recent times, a Task Force (TF6) was constituted in 2002 vide Notification 2/2002 to report on 'Reviewing and Suggesting Roles and Responsibilities of Vice Presidents of ICID'. The report is to be finalized and discussed in the PCSPOA. The Convener and members of the TF6 were –

- |   |            |
|---|------------|
| 1. President Hon. Ir. Keizrul bin Abdullah (Malaysia) | - Convener |
| 2. Vice President Hon. Dr. S. Taniyama (Japan)        | - Member   |
| 3. Vice President Hon. Dr. M.H. Amer (Egypt)          | - Member   |

In the recent observations (*E-mail dated 1 January 2006*) of Vice President Hon. Engr. I.K. Musa (Chairman PCSPOA) indicates -

- ***“the need to elaborate more on the issue of redundancy of the Vice President as regard their role and activities. This should reflect past attempt at addressing this issue and how they could be made more actively engaged in the affairs of ICID.”***

## **III. Vice Presidents' Role is dealt with in ICID By-law 3.4**

- **Terms of Reference (ToR)**

Terms of Reference (ToR) for the Internal Review would be to elaborate as how to best the effective role of Vice Presidents of ICID could be ensured and the requisite '*enabling environment*'.

Annex 3 of the PCSPOA Agenda for the 56<sup>th</sup> IEC meeting gives the TF6 draft report provided for the review.

## **IV. Support of Central Office for PCSPOA meetings**

In the 16<sup>th</sup> Meeting of PCSPOA held in Beijing on 13 September 2005, the PCSPOA proposed that Central Office be in-charge of the permanent secretariat of PCSPOA, since membership of the Committee changes quite often. The underlying implication of this proposal was to obtain Secretarial support on a professional from Central Office in all PCSPOA meetings.

### **By-law 3.2.1.7 states that**

*“Each Permanent Committee may itself elect its Vice-Chairperson, and its Secretary for drafting the Minutes of its meetings.”*

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Thus the Secretary in respect of PCSPOA proceedings has to be prima-facie, a member of PCSPOA as per existing By-Laws.

### **Issues before Internal Review Group on PCSPOA**

Given the above, the likely ToR before an Internal Review Team of PCSPOA are suggested as below : (*the Committee could add new items, if any, as considered appropriate*)

#### **1. Membership of ICID**

- a. Review of the trend in the past decade including Review of the Document dealing with “Benefits from ICID Membership” (*Peter Lee*)
- b. ICID Membership
- c. Review existing mechanism, available enabling provisions, assess the VPs’ regional efforts in contacting NCs in default etc and ways and means to enhance this route to achieve the objectives
- d. Suggest additional measures to enhance response for making timely subscription payments

#### **2. Block Membership**

- e. Review of the deliberations on the subject in the last meeting of AFRWG and PCSPOA; recommendations
- f. Identifications of additional dimensions if the proposals are to be given a shape
  - i. Impact on participation of one of the members of a block in IECs, their voting rights etc
  - ii. Rotational representation within the block, rules of the game; its effectiveness for characterizing country as well as the Group of Countries’ representation
  - iii. Advantages to ICID’s goals in rotational membership and Group Representation; could it ultimately succeed in their individual membership?
  - iv. Any other constraints

#### **3. Membership Subscription Fund**

- g. Could it be of use to enthuse Least Developed and poor country’s participation?
- h. Rotational award
- i. Would it attract Fund? Desirable Mechanism to award Membership fee – PCSPOA + PFC
- j. Are the existing provisions to deal with defaulters not adequate?

#### **4. Focus on Africa**

- k. What is the additional support required? Items recognized like French translation support of Newsletter
- l. Lake Chad Initiative
- m. CPSP Phase II – Candidate Basin of Trans Boundary Character.
- n. How to plan more activities in Africa region?
- o. How to bring in more donors to support activities/programs in Africa?

#### **5. Vice Presidents’ Role**

- a. A review of the role in the past, present and suggestions for future.

#### **6. Miscellaneous**

Secretarial support for PCSPOA in its meeting - Central Office.

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## NATIONAL COMMITTEE MEMBERSHIP NETWORK AS ON 15 JUNE 2007

| AFRICA   | AMERICAS  | ASIA AND OCEANIA  | EUROPE   |
|--|---|---|--|
| <b>Active (Acronym)<br/>(Year of Joining)</b> <ol style="list-style-type: none"> <li>1. Egypt (ENCID) (1950) *</li> <li>2. Ethiopia (ETCID) (1976) *</li> <li>3. Mali (AMID)(2005) *</li> <li>4. Morocco (ANAFID) (1950) *</li> <li>5. Nigeria (NINCID) (1970) *</li> <li>6. South Africa (SANCID) (1993) *</li> <li>7. Zambia (ZACID) (1966)</li> </ol><br><b>Deemed to be Inactive (Acronym)<br/>(Year of Inactive)</b> <ol style="list-style-type: none"> <li>1. Algeria (CNAID) (1999)</li> <li>2. Angola (ANGCID) (1994)</li> <li>3. Ghana (CHANCID) (1963)</li> <li>4. Ivory Coast (IVCID) (1982)</li> <li>5. Kenya (KENCID) (2003) *</li> <li>6. Libya (LICID) (2000)</li> <li>7. Madagascar (MADCID)(1986)</li> <li>8. Malawi (MILCID) (2004)</li> <li>9. Mozambique (MOCID) (2006)</li> <li>10. Senegal (SENCID) (1992)</li> <li>11. Sudan (SUCID) (2003)</li> <li>12. Tanzania (TANCID) (2006)</li> <li>13. Tunisia (TUNCID) (1993)</li> <li>14. Uganda (UGCID) (1983)</li> <li>15. Zimbabwe (ZICID) (2001) *</li> </ol> | <b>Active (Acronym)<br/>(Year of Joining)</b> <ol style="list-style-type: none"> <li>1. Brazil (ABID) (1970) *</li> <li>2. Canada (CANCID) (1956) *</li> <li>3. Chile (CHICID) (1979)</li> <li>4. Guyana (GUCID) (1957) *</li> <li>5. Mexico (MXCID) (1951) *</li> <li>6. USA (USCID) (1951) *</li> </ol><br><b>Deemed to be Inactive (Acronym)<br/>(Year of Inactive)</b> <ol style="list-style-type: none"> <li>1. Argentina (ARCID) (2004)</li> <li>2. Colombia (INAT) (2003) *</li> <li>3. Dominican Republic (DOMCID) (1986)</li> <li>4. Ecuador (EDORCID) (1985)</li> <li>5. Honduras (HOCID) (1999)</li> <li>6. Panama (PANACID) (1990)</li> <li>7. Peru (PERU-ICID) (1973)</li> <li>8. Surinam (SURCID) (1985)</li> <li>9. Venezuela (VENCID) (1982)</li> </ol> | <b>Active (Acronym)<br/>(Year of Joining)</b> <ol style="list-style-type: none"> <li>1. Australia (ANCID) (1952) *</li> <li>2. Bangladesh (BANCID) (1973)*</li> <li>3. China (CNCID) (1983) *</li> <li>4. Chinese Taipei (CTCID) (1969)*</li> <li>5. India (INCID) (1950) *</li> <li>6. Indonesia (INACID) (1950) *</li> <li>7. Iran (IRNCID) (1955) *</li> <li>8. Iraq (IRQCID) (year of rejoining-2006)</li> <li>9. Israel (ISCID) (1950)</li> <li>10. Japan (JNC-ICID) (1951) *</li> <li>11. Kazakhstan (KAZCID) (2006)</li> <li>12. Korea (KCID-ICID) (1970) *</li> <li>13. Kyrgyz Republic (KYRCID) (2004)</li> <li>14. Malaysia (MANCID) (1958) *</li> <li>15. Myanmar (MINCID) (1962) *</li> <li>16. Nepal (NENCID) (1973)</li> <li>17. Pakistan (PANCID) (1953) *</li> <li>18. Philippines (PNC-ICID) (1956) *</li> <li>19. Saudi Arabia (SACID) (1977)</li> <li>20. Sri Lanka (SLNICID) (1950)</li> <li>21. Syria (SYCID) (1962)</li> <li>22. Thailand (THAICID) (1950) *</li> <li>23. Turkey (TUCID) (1954) *</li> <li>24. Uzbekistan (UzCID) (1994) *</li> </ol> | <b>Active (Acronym)<br/>(Year of Joining)</b> <ol style="list-style-type: none"> <li>1. Austria (AUNCID) (1954)</li> <li>2. Croatia (CRCID) (1993)</li> <li>3. Cyprus (CYCID) (1955)</li> <li>4. Czech Republic (CZNC-ICID) (1997)*</li> <li>5. Estonia (ESTCID) (2001)</li> <li>6. Finland (FINCID) (2000) *</li> <li>7. France (AFEID) (1953) *</li> <li>8. Germany (GECID) (1957)*</li> <li>9. Great Britain (ICID.UK) (1951) *</li> <li>10. Greece (GRCID) (1957) *</li> <li>11. Hungary (HUCID) (1955)*</li> <li>12. Ireland (IRCID) (1978)</li> <li>13. Italy (ITAL-ICID) (1950) *</li> <li>14. Lithuania (LTCID) (1994)</li> <li>15. Macedonia (MAKCID) (1995) *</li> <li>16. Netherlands (NETHCID) (1950) *</li> <li>17. Portugal (PNCID) (1954)</li> <li>18. Romania (CNRID) (1959)*</li> <li>19. Russia (RUCID)(1955)</li> <li>20. Slovenia (SINCID) (1993)*</li> <li>21. Spain (CERYD) (1955) *</li> <li>22. Switzerland (CH-AGRAM) (1951) *</li> <li>23. Ukraine (UKCID) (1996)</li> <li>24. Yugoslavia (YUGCID) (2002)</li> </ol> |

**Attachment 2 of Annex 1**  
[Continued]

| AFRICA  | AMERICAS   | ASIA AND OCEANIA   | EUROPE  |
|---|--|--|---|
| <b>Admitted but not paid subscription (Acronym) (Year of Admission)</b><br><br>1. Burkina Faso(BURCID)(2000)<br>2. Chad (ATID) (2003)<br>3. Mauritius (MAUCID) (1992)<br>4. Niger (ANID) (2003)<br>5. Sao Tome and Principe (SAOCID) (1985) | <b>Withdrawn on their own (Acronym) (Year of withdrawal)</b><br><br>1. Cuba (CUCID) (1991) | <b>Deemed to be Inactive (Acronym) (Year of Inactive)</b><br><br>1. Jordan (JORCID) (2003)<br>2. Lebanon (LEBCID) (1976)<br>3. Tajikistan (TAJCID) (2003)<br>4. Vietnam (VICID) (2003)<br><br><b>Admitted but not paid subscription (Acronym) (Year of Admission)</b><br><br>1. Azerbaijan (2005)<br>2. Mongolia (MOGCID) (1993)<br>3. Turkmenistan (TURMICID) (1998)<br>4. Yemen (YECID) (1993)<br><br><b>Withdrawn on their own (Acronym) (Year of withdrawal)</b><br><br>1. New Zealand (NEWCID) (1986) | <b>Deemed to be Inactive (Acronym) (Year of Inactive)</b><br><br>1. Belgium (BELCID) (1997)<br>2. Bulgaria (BNCID) (2006)<br>3. Poland (POCID) (2006)<br>4. Slovak Republic (SKNC-ICID) (2006)*<br><br><b>Withdrawn on their own (Acronym) (Year of withdrawal)</b><br><br>1. Denmark (DENCID) (1986) |

Constitutions of 44 Committees marked \* are in Central Office record

| Region           | Active    | Deemed to be Inactive | Admitted but not paid subscription | Withdrawn on their own | Total      |
|------------------|-----------|-----------------------|------------------------------------|------------------------|------------|
| Africa           | 07        | 15                    | 05                                 | -                      | 27         |
| Americas         | 06        | 09                    | -                                  | 01                     | 16         |
| Asia and Oceania | 24        | 04                    | 04                                 | 01                     | 33         |
| Europe           | 24        | 04                    | -                                  | 01                     | 29         |
| <b>Total</b>     | <b>61</b> | <b>32</b>             | <b>9</b>                           | <b>03</b>              | <b>105</b> |

**Note :** 1 Guyana joined in 1957, Inactive from 1987 – 1991, rejoined in 1992; 2. Iraq joined in 1950, Inactive from 1993-2005, rejoined in 2006; 3. Romania joined in 1959, Inactive from 1982-1991, rejoined in 1992; 4. Vietnam joined 1960, Inactive from 1992-1995, rejoined in 1996 and again inactive from 2003; 5. Yugoslavia joined in 1950 but reapplied in 1998 after break-up; 6. Bangladesh became temporarily inactive from 2006, paid all arrears to be active retrospectively.

## ICID MEMBERSHIP NETWORK STATISTICS AS ON 15 JUNE 2007

| Sl. No. | National Committee | Region   | Acronym   | Year of Joining   | Membership Till | Inactive From                  | Reactivation From  |
|---------|--------------------|----------|-----------|---|-----------------|--------------------------------|--------------------|
| 1       | Algeria            | Africa   | CNAID     | 1965  | 1965 to 1998    | 1999                           | -                  |
| 2       | Angola             | Africa   | ANGCID    | 1978  | 1978 to 1993    | 1994                           | -                  |
| 3       | Argentina          | Americas | ARCID     | 1975  | 1975 to 2003    | 2004                           | -                  |
| 4       | Australia          | Oceania  | ANCID     | 1952  | Till date       | -                              | -                  |
| 5       | Austria            | Europe   | AUNCID    | 1954  | Till date       | -                              | -                  |
| 6       | Azerbaijan         | Asia     | AZRCID    | Yet to join<br>Application admitted in 2005 but subscription not paid | -               | -                              | -                  |
| 7       | Bangladesh         | Asia     | BANCID    | 1973  | Till date       | -                              | -                  |
| 8       | Belgium            | Europe   | BELCID    | 1988  | 1988 to 1996    | 1997                           | -                  |
| 9       | Brazil             | Americas | ABID      | 1970  | Till date       | -                              | -                  |
| 10      | Bulgaria           | Europe   | BNCID     | 1960  | 1960 to 2005    | 2006                           | -                  |
| 11      | Burkina Faso       | Africa   | BURCID    | Yet to join<br>Application admitted in 2000 but subscription not paid | -               | -                              | -                  |
| 12      | Canada             | Americas | CANCID    | 1956  | Till date       | -                              | -                  |
| 13      | Chad               | Africa   | ATID      | Yet to join<br>Application admitted in 2003 but subscription not paid | -               | -                              | -                  |
| 14      | Chile              | Americas | CHICID    | 1979  | Till date       | -                              | -                  |
| 15      | China              | Asia     | CNCID     | 1983  | Till date       | -                              | -                  |
| 16      | Chinese Taipei     | Asia     | CTCID     | 1969  | Till date       | -                              | -                  |
| 17      | Colombia           | Americas | INAT      | 1966  | 1966 to 2002    | 2003                           | -                  |
| 18      | Croatia            | Europe   | CRCID     | 1993  | Till date       | -                              | -                  |
| 19      | Cuba               | Americas | CUCID     | 1970  | 1970 to 1990    | 1991<br>Withdrawn on their own | -                  |
| 20      | Cyprus             | Europe   | CYCID     | 1955  | Till date       | -                              | -                  |
| 21      | Czech Republic *   | Europe   | CZNC-ICID | 1997  | Till date       | -                              | -                  |
| 22      | Denmark            | Europe   | DENCID    | 1981  | 1981 to 1985    | 1986<br>Withdrawn on their own | -                  |
| 23      | Dominican Republic | Americas | DOMCID    | 1961  | 1961 to 1985    | 1986                           | -                  |
| 24      | Egypt              | Africa   | ENCID     | 1950  | Till date       | -                              | -                  |
| 25      | Ecuador            | Americas | EDORCID   | 1959  | 1969 to 1984    | 1985                           | -                  |
| 26      | Estonia            | Europe   | ESTICID   | 2001  | Till date       | -                              | -                  |
| 27      | Ethiopia           | Africa   | ETCID     | 1976  | Till date       | -                              | -                  |
| 28      | Finland            | Europe   | FINCID    | 2000  | Till date       | -                              | -                  |
| 29      | France             | Europe   | AFEID     | 1953  | Till date       | -                              | -                  |
| 30      | Germany            | Europe   | GECID     | 1957  | Till date       | -                              | -                  |
| 31      | Ghana              | Africa   | GHANCID   | 1958  | 1958 to 1962    | 1963                           | -                  |
| 32      | Greece             | Europe   | GRCID     | 1957  | Till date       | -                              | -                  |
| 33      | Guyana             | Americas | GUCID     | 1957  | 1957 to 1987    | 1988 to 1991                   | (Rejoined in 1992) |
| 34      | Honduras           | Americas | HOCID     | 1979  | 1979 to 1998    | 1999                           | -                  |
| 35      | Hungary            | Europe   | HUCID     | 1955  | Till date       | -                              | -                  |
| 36      | India              | Asia     | INCID     | 1950  | Till date       | -                              | -                  |
| 37      | Indonesia          | Asia     | INACID    | 1950  | Till date       | -                              | -                  |
| 38      | Iran               | Asia     | IRNCID    | 1955  | Till date       | -                              | -                  |
| 39      | Iraq               | Asia     | IRQCID    | 1950  | 1950 to 1992    | 1993 to 2005                   | (Rejoined in 2006) |
| 40      | Ireland            | Europe   | IRCID     | 1978  | Till date       | -                              | -                  |
| 41      | Israel             | Asia     | ISCID     | 1950  | Till date       | -                              | -                  |
| 42      | Italy              | Europe   | ITAL-ICID | 1950  | Till date       | -                              | -                  |

| Sl. No. | National Committee    | Region   | Acronym   | Year of Joining   | Membership Till | Inactive From                  | Reactivation From  |
|---------|-----------------------|----------|-----------|---|-----------------|--------------------------------|--------------------|
| 43      | Ivory Coast           | Africa   | IVCID     | 1969  | 1969 to 1981    | 1982                           | -                  |
| 44      | Japan                 | Asia     | JNC-ICID  | 1951  | Till date       | -                              | -                  |
| 45      | Jordan                | Asia     | JORCID    | 1978  | 1978 to 2002    | 2003                           | -                  |
| 46      | Kazakhstan            | Asia     | KAZCID    | 2006  | -               | -                              | -                  |
| 47      | Kenya                 | Africa   | KENCID    | 1977  | 1977 to 2002    | 2003                           | -                  |
| 48      | Korea                 | Asia     | KCID-ICID | 1970  | Till date       | -                              | -                  |
| 49      | Kyrgyz Republic       | Asia     | KYRCID    | 2004  | Till date       | -                              | -                  |
| 50      | Lebanon               | Asia     | LEBCID    | 1964  | 1964-1975       | 1976                           | -                  |
| 51      | Libya                 | Africa   | LICID     | 1988  | 1988-1999       | 2000                           | -                  |
| 52      | Lithuania             | Europe   | LNCID     | 1994  | Till date       | -                              | -                  |
| 53      | Macedonia             | Europe   | MAKCID    | 1995  | Till date       | -                              | -                  |
| 54      | Madagascar            | Africa   | MADCID    | 1983  | 1983-1985       | 1986                           | -                  |
| 55      | Malawi                | Africa   | MLCID     | 1967  | 1967 to 2003    | 2004                           | -                  |
| 56      | Malaysia              | Asia     | MANCID    | 1958  | Till date       | -                              | -                  |
| 57      | Mali                  | Africa   | AMID      | 2005  | Till date       | -                              | -                  |
| 58      | Mauritius             | Africa   | MAUCID    | Yet to join<br>Application admitted in 1992 but subscription not paid | -               | -                              | -                  |
| 59      | Mexico                | Americas | MXCID     | 1951  | Till date       | -                              | -                  |
| 60      | Mongolia              | Asia     | MONGCID   | Yet to join<br>Application admitted in 1993 but subscription not paid | -               | -                              | -                  |
| 61      | Morocco               | Africa   | ANAFID    | 1959  | Till date       | -                              | -                  |
| 62      | Mozambique            | Africa   | MOCID     | 1978  | 1978 to 2005    | 2006                           | -                  |
| 63      | Myanmar               | Asia     | MNCID     | 1962  | Till date       | -                              | -                  |
| 64      | Nepal                 | Asia     | NENCID    | 1973  | Till date       | -                              | -                  |
| 65      | Netherlands           | Europe   | NETHCID   | 1950  | Till date       | -                              | -                  |
| 66      | New Zealand           | Asia     | NEWCID    | 1979  | 1979-1985       | 1986<br>Withdrawn on their own | -                  |
| 67      | Niger                 | Africa   | ANID      | Yet to join<br>Application admitted in 2003 but subscription not paid | -               | -                              | -                  |
| 68      | Nigeria               | Africa   | NINCID    | 1970  | Till date       | -                              | -                  |
| 69      | Pakistan              | Asia     | PANCID    | 1953  | Till date       | -                              | -                  |
| 70      | Panama                | Americas | PANACID   | 1980  | 1980-1989       | 1990                           | -                  |
| 71      | Peru                  | Americas | PERU-ICID | 1965  | 1965-1972       | 1973                           | -                  |
| 72      | Philippines           | Asia     | PNC-ICID  | 1956  | Till date       | -                              | -                  |
| 73      | Poland                | Europe   | POCID     | 1957  | 1957 to 2005    | 2006                           | -                  |
| 74      | Portugal              | Europe   | PNCID     | 1954  | Till date       | -                              | -                  |
| 75      | Romania               | Europe   | CNRID     | 1959  | 1959 to 1981    | 1982 to 1991                   | (Rejoined in 1992) |
| 76      | Russia                | Europe   | RUCID     | 1955  | Till date       | -                              | -                  |
| 77      | Sao Tome and Principe | Africa   | SAOCID    | Yet to join<br>Application admitted in 1985 but subscription not paid | -               | -                              | -                  |
| 78      | Saudi Arabia          | Asia     | SACID     | 1977  | Till date       | -                              | -                  |
| 79      | Senegal               | Africa   | SENCID    | 1966  | 1966 to 1991    | 1992                           | -                  |
| 80      | Slovak Republic       | Europe   | SKNC-ICID | 1996  | 1996 to 2005    | 2006                           | -                  |
| 81      | Slovenia              | Europe   | SINCID    | 1993  | Till date       | -                              | -                  |
| 82      | South Africa          | Africa   | SANCID    | 1993  | Till date       | -                              | -                  |
| 83      | Spain                 | Europe   | CERYD     | 1955  | Till date       | -                              | -                  |
| 84      | Sri Lanka             | Asia     | SLNICID   | 1950  | Till date       | -                              | -                  |
| 85      | Sudan                 | Africa   | SUCID     | 1964  | 1964-2002       | 2003                           | -                  |
| 86      | Surinam               | Americas | SURCID    | 1956  | 1956 to 1984    | 1985                           | -                  |
| 87      | Switzerland           | Europe   | CH-AGRAM  | 1951  | Till date       | -                              | -                  |
| 88      | Syria                 | Asia     | SYCID     | 1962  | Till date       | -                              | -                  |
| 89      | Tajikistan            | Asia     | TAJCID    | 1997  | 1997-2002       | 2003                           | -                  |
| 90      | Tanzania              | Africa   | TANCID    | 2000  | 2000 to 2005    | 2006                           | -                  |

| Sl. No. | National Committee | Region   | Acronym  | Year of Joining  | Membership Till           | Inactive From                 | Reactivation From  |
|---------|--------------------|----------|----------|--|---------------------------|-------------------------------|--|
| 91      | Thailand           | Asia     | THAICID  | 1950   | Till date                 | -                             | -  |
| 92      | Tunisia            | Africa   | TUNCID   | 1960   | 1960-1992                 | 1993                          | -  |
| 93      | Turkey             | Asia     | TUCID    | 1954   | Till date                 | -                             | -  |
| 94      | Turkmenistan       | Asia     | TURMICID | <u>Yet to join</u><br>Application admitted in 1998 but subscription not paid | -                         | -                             | -  |
| 95      | Uganda             | Africa   | UGCID    | 1963   | 1963 to 1982              | 1983                          | -  |
| 96      | UK                 | Europe   | ICID-UK  | 1951   | Till date                 | -                             | -  |
| 97      | Ukraine            | Europe   | UKCID    | 1996   | Till date                 | -                             | -  |
| 98      | USA                | Americas | USCID    | 1951   | Till date                 | -                             | -  |
| 99      | Uzbekistan         | Asia     | UzNCID   | 1994   | Till date                 | -                             | -  |
| 100     | Venezuela          | Americas | VENCID   | 1963   | 1963-1981                 | 1982                          | -  |
| 101     | Vietnam            | Asia     | VICID    | 1960   | 1960-1981<br>1996 to 2002 | 1982 to 1995<br>Again in 2003 | (Rejoined in 1996)   |
| 102     | Yemen              | Asia     | YECID    | <u>Yet to join</u><br>Application admitted in 1993 but subscription not paid | -                         | -                             | -  |
| 103     | Yugoslavia         | Europe   | YUGCID   | 2002   | Till date                 | -                             | Founder Member (1950), but re-applied in 1998 after break-up |
| 104     | Zambia             | Africa   | ZACID    | 1966   | Till date                 | -                             | -  |
| 105     | Zimbabwe           | Africa   | ZICID    | 1955   | 1955 to 2000              | 2001                          | -  |

Active Members : 61  
Deemed to be Inactive : 32  
Admitted but Subscription Not Paid : 09  
Withdrawn : 03

**Total : 105**

**Note:** \*Czechoslovakia was member since 1957 to 1992 (Spilt in to 2 from 1.1.1993 i.e. Czech Republic and Slovak)



**TF (TF6) FOR REVIEWING AND SUGGESTING ROLES AND  
RESPONSIBILITIES OF VICE PRESIDENTS  
THE ROLE OF VICE PRESIDENTS - A REVIEW (DRAFT REPORT)  
Beijing, September 2005**

## Background

There are some 10 clauses and sub-clauses under the Constitution that touched on the subject of Vice Presidents and By-law (3) extensively defines the role of VP. Based on the Constitution and By-law (3), the elected VPs have the responsibility for a group of National Committees to foster and encourage their greater participation, specific functions, relations with other international organizations, followup on the activities of work bodies in their regions and helping the Central Office in matters associated with National Committees in their region. Each VP may be associated directly with a work body and may be assigned any of the following duties by the President as included in By-law 3.4:

- Review the setup of the National Committees and guide them for evolving a broad-based structure as a Non-Governmental Organization.
- Guide the National Committees in respect of their programmes for wider publicity of irrigation and drainage related issues and concerns through pamphlets/posters/exhibitions/audiovisuals and media to reach the irrigation and drainage community at large.
- Promote regional cooperation amongst the National Committees through developing regional collaborative programmes.
- Visit and participate in the activities of the National Committees in his/her regions every year.
- Promote international programmes in irrigation and drainage by/for the National Committees.
- Participate in the Permanent Committee on Strategy and Organization Affairs by proposing issues for consideration and contribute to the development of regional strategies and special programmes in irrigation and drainage.
- Represent ICID in international events taking place in his/her region.
- Liaise with National Committees on above-mentioned items and other programmes/activities initiated by ICID.

Currently the 9 elected VPs have been allocated Regions as listed:<sup>1</sup>

| Name                       | Term      | Allocation of Regional/National Committee |
|----------------------------|-----------|---|
| Soon-kuk, Kwun             | 2000-2003 | East Asia                                 |
| C. Madramootoo             | 2000-2003 | North America                             |
| H. Malano                  | 2000-2003 | North-Eastern and Western Asia            |
| Shigetaka Taniyama         | 2001-2004 | South Asia                                |
| Manual Contijoch Escontria | 2001-2004 | Central and South America                 |
| Saeed Nairizi              | 2001-2004 | North-West Asia                           |
| Cai Lingen                 | 2002-2005 | East Asia                                 |
| I.K. Musa                  | 2002-2005 | North-Eastern and Western Africa          |
| André Musy                 | 2002-2005 | Western and Eastern Europe                |

This allocation is revised every year with the retirement of 3 VPs and election of 3 new VPs in their place.

<sup>1</sup> See revision at end.

The duties of VPs include :

- Cooperation/collaboration between National Committees
- Issues related to Least Developed Countries
- Broadbasing of National Committees and their Constitutions
- Representation of National Committee in Work Bodies
- More active participation in ICID activities
- Regional synergizing of National Committees

In addition some of the present 9 VPs have other responsibilities as listed:<sup>2</sup>

| Name                       | Responsibility                                 |
|----------------------------|--|
| Soon-kuk, Kwun             | -  |
| C. Madramootoo             | Chairperson PCSPOA, Chairman (ST-ARAL)         |
| H. Malano                  | Theme Leader (Systems), Chairperson (WG-DMIS)  |
| Shigetaka Taniyama         | Chairperson ASRWG                              |
| Manual Contijoch Escontria | -  |
| Saeed Nairizi              | Theme Leader (On-Farm), Chairperson (WG-IADWS) |
| Cai Lingen                 | -  |
| I.K. Musa                  | Chairperson AFRWG                              |
| André Musy                 | -  |

## Present problem

There are a number of problems that require immediate attention in respect of VPs' role.

1. VPs are not provided with a budget to enable them to inter-act closer with the National Committees under their guidance. It is also unlikely that ICID will have the financial resources to provide this budget.
2. Other than the distribution of National Committees, it is apparent that only some of the VPs are involved in the various Workbodies of ICID and the distribution of responsibilities among the VPs needs another look.
3. Based on the duties that may be assigned to the VPs, there is also a need to look at the implementation aspect, especially those related to financial matters.

## Options

### Option 1

- By-law (3) may have been intended to distribute responsibilities so as to allow the National Committees to have more access and guidance from management side. If the main role of the VP is to foster and encourage greater participation for 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 work bodies or other more specific role such as relations with other international organizations, strategic themes, brainstorming task force and followup on the activities of work bodies.

### Option 3

- Look for budget and allocate or work on sponsorship to allow VPs to implement their responsibilities.
- Utilize IT and work virtual.

<sup>2</sup> See revision at the end.

*Option 4*

- Assign VPs to help National Committees in danger of being 'deemed to have withdrawn'.

*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.

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**Revision (in respect of Footnote 1 & 2 in previous TF reports)**

Subsequent to 55<sup>th</sup> IEC in Moscow, 56<sup>th</sup> IEC in Beijing and 57<sup>th</sup> IEC in Kuala Lumpur, due to retirement and election of Vice Presidents, the position as shown in the Tables stands revised as below:

**Current (2007) Responsibilities of Vice Presidents and their allocated regions**

| <b>Name</b>                   | <b>Term</b> | <b>Responsibilities</b>  |
|-------------------------------|-------------|--|
| Dr. YooMan, HUH               | 2004-2007   | Chairman, 2 <sup>nd</sup> Best Performing ICID National Committee Award (BPNCA-2); East and South-East Asia Region |
| Dr. Hussein El-Atfy           | 2004-2007   | Chairman, WG-WATS; Part North-Eastern & Part Eastern Europe, Africa and Part West Asia Region                      |
| Dr. G.G. Guluyk               | 2004-2007   | Part Eastern Europe Region   |
| Dr. Mark Svendsen             | 2005-2008   | Panel Expert of 20 <sup>th</sup> Congress, ICID; Chairman, WG-CLIMATE; North and South America Region              |
| Mr. Felix B. Reinders         | 2005-2008   | Chairman, WG-ON-FARM; Part North Eastern and Western Africa Region   |
| Dr. Gao Zhanyi                | 2005-2008   | East Asia Region   |
| Dr. Eiko Lubbe                | 2006-2009   | Chairman, ERWG; Part Eastern and Western Europe and Part Africa Region   |
| Dr. Karim Shiati              | 2006-2009   | Chairman, ASRWG; South Asia Region   |
| Mr. Mohd. Azhari bin Ghazalli | 2006-2009   | Asia and Oceania Region  |

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**EXCERPTS OF PROVISIONS FOR MEMBERSHIP AND  
TENURE OF WORKBODIES**

1. By-law 3.3 (b) stipulates that as the duration of the membership of a workbody is expected to be six years or less, the duration of the work to be undertaken by a temporary workbody should not exceed a period of six years. The duration of such functioning may be shortened or lengthened by the Council keeping in view the results accomplished by the workbody in terms of the products such as study reports, publications, workshops, seminars as may be arranged by the workbody, after considering the recommendations of the concerned permanent committee.
2. Work Bodies which have completed their work should be encouraged to close, merge or hand over all or part of their subject area to new work bodies (thus maintaining subject area continuity but with fresh lines of work).

Once approved, the name and mandate of a work body should be considered in the context of merging or handing over all or part of the subject area to a new Work Body or Bodies.

3. The Chairmen of workbodies to strictly implement the ICID By-law 3.1.7 stipulating that members not contributing to the activities of the workbody by attendance (but not representation by any representative of the concerned National Committee) or correspondence for two consecutive years shall be replaced in consultation with their National Committees.
  4. No person should be a member of more than three workbodies, not counting Office-Bearers Committee (OBC), Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA), Management Board (MB) or Staff Committee (SC).
  5. The PCTA recommended to 51<sup>st</sup> IEC Meeting held at Cape Town that the size of Working Group may be decided such that useful business can be carried out through electronic media.
  6. For a wider representation of countries in a workbody, not more than one membership from one country should normally be maintained. (However in the 56<sup>th</sup> IEC, Beijing, two nominations for any Working Group from a National Committee were agreed to, provided one of the two nominees was a young professional.)
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**AGENDA 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**

**Year of Establishment: 1993**

**Members :** (1) Mr. Ali Reza Salamat, Chairman, 2003 (Iran, 2000); (2) Mr. Sanjay Belsare, Vice Chairman, 2005 (India, 2003); (3) Ms. Nepveu de Villemarceau au Audrey, Secretary (France, 2002); (4) Mr. Jong Min Park (Korea, 1998); (5) Ir. Maurits Ertsen (The Netherlands, 2002); (6) Ms. Jianxin Mu (China, 2003); (7) Mr. Bennie Grové (South Africa, 2003); (8) Mr. Hidekazu Tagashira (Japan, 2006); (9) Engr. Qazi Tallat Mahmood Siddiqui (Pakistan, 2006); and (10) Mr. Velayudan, Sv., Kalaiselvam (Malaysia, 2006).

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

No comments have been received on the minutes of the 12<sup>th</sup> WG-YPF meeting. The minutes may be considered for confirmation.

**Item 2 : Tenure of the Working Group**

As there are incomplete activities that are to be worked out during the coming years, it was decided in the 12<sup>th</sup> meeting to extend the tenure of the Working Group.

**Item 3 : Review of the membership of the Working Group**

The members of the Working Group namely Dr. Hesham Kandil (Egypt), Mr. Tero Karkkainen (Finland), Ms. Nepveu de Villemarceau au Audrey, Secretary (France), Mr. Jong Min Park (Korea), Ms. E.O. Ogunniyi (Nigeria), and Dr. Nariman Shamsutdinov (Russia) were neither present in the 12th meeting nor they contributed through correspondence during the last three consecutive years (2004, 2005 and 2006). The National Committees were requested (e-mail dated 22 December 2006 and 14 April 2007) to come up with their confirmation/nomination regarding membership.

The Russian and Korean National Committees of ICID nominated Mr. Pavel Svirkin in place of Dr. Nariman Shamsutdinov (Russia) and Dr. Lee Kwang-Ya in place of Mr. Jong Min Park (Korea) for membership consideration respectively. The CVs of Mr. Svirkin and Dr. Kwang-Ya will be tabled during the 13<sup>th</sup> meeting.

The responses from other National Committees are awaited.

Attendance of the members at the meetings of the WG-YPF in 2005 and 2006 will be presented at Sacramento.

**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. Chairman, WG-YPF made correspondence with the National Committees of Canada, Pakistan, Ghana, Nigeria and Russia with a request to establish their YPF within their National Committees. Pakistan and Russian National Committees responded positively for YPF establishment.

The Chairman discussed once again the matter regarding procedures that are to be followed in establishing YPF during the time of the 12<sup>th</sup> meeting and mentioned that he would also approach the Chairman and Secretary of the National Committees of Canada and Nigeria for further coordination.

The Central Office and Chairman, WG-YPF approached the National Committees of Canada, Pakistan, Nigeria and Russia. The Pakistan National Committee has intimated that the modalities for establishing YPF and related By-laws are being finalized and would be presented in the forthcoming meeting of the WG-YPF.

Responses from other National Committees are awaited.

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

In the last 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.

While taking up the matter with the concerned representatives, Mr. Bennie Grove from South Africa; Mr. Hidekazu Tagashira from Japan and Dr. Sanjay Belsare from India, submitted their YPF Directories.

The YPF directories received will be placed before the WG-YPF for further dissemination.

**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-ypf.icidonline.org](http://www.wg-ypf.icidonline.org). During the 12<sup>th</sup> meeting the Chairman requested the new members to update the Chair with their contacts for incorporation.

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.

The Chairman, WG-YPF after a meeting with Dr. Ertzen has decided to initiate the following action points for developing the web-based platform:

- Dr. Ertzen would speak with Delft University Library to investigate how the WG-YPF could start the procedure of establishing the web-based platform.
- WG-YPF would proceed with the initial arrangements that are to be made with concerned authorities.
- Proposed to launch the platform officially during 59<sup>th</sup> IEC and 20<sup>th</sup> International ICID Congress in Pakistan in 2008.

WG-YPF may like to discuss further during the meeting.

**Item 7 : How to activate YPF**

During the last 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 Working Group will further elaborate on this issue.

**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 by the chair so far. The Working Group will further elaborate on this issue.

**Item 9 : Translation of outcomes of various current activities**

The members were encouraged to send a copy of their publications to the Central Office to be kept in ICID archive. The members will provide feedback on the progress made since last year.

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**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. The members were also requested to publicize the news within their National Committees and related organizations. The members will give feedback on the progress made in this concern.

**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. This issue will be further discussed during the meeting.

**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. So far, Mr. Kalaiselvam from the Malaysian National Committee has sent news related to the World Water Day Conference held in Kuala Lumpur, Malaysia, 15-16 April 2007.

Feedbacks from other members are awaited.

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

The Chairman will brief the members of the WG-YPF on the 4th Asian Regional Conference and 10<sup>th</sup> International Seminar on Participatory Irrigation Management (PIM), which were held in Tehran, Iran, 2-5 May 2007.

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

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

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

Dr. Alain Vidal, Vice President, ICID mentioned in the 12<sup>th</sup> meeting that the YPF should provide brief information on the results and achievements of their researches on water saving techniques, devices, etc. to the Central Office to have its adequate recognition, coverage and dissemination through the ICID News Updates, Newsletter and website ([www.icid.org](http://www.icid.org)).

Based upon the decisions arrived at during the 12<sup>th</sup> meeting, vide e-mail dated 17 April 2007 the Central Office requested all members of WG-YPF to provide their contributions with respect to agenda items No. 8 to 15. In response to this, Mr. Velayudan, Sv., Kalaiselvam (Malaysia) reported the activities carried out by YPF MANCID.

**Item 16 : Any other business**

During the 12<sup>th</sup> meeting, the Chair mentioned that he would be looking forward to conduct another workshop in near future and intimation regarding the same would be communicated to all the YPF members.

The matter regarding organization of a workshop to be held in Lahore, Pakistan, 2008 will be discussed with the Pakistani member enabling him to investigate the possibility of holding a half-day workshop for the young professionals back to back of the 14<sup>th</sup> meeting of the Working Group.

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

**Year of Establishment: 2003**

**Members :** (1) Dr. Luis Rendón Pimentel, Convener (Mexico); (2) Dr. Jaime Collado (Mexico); (3) Dr. Dennis Wichelns (USA); (4) Representative from Brazil; (5) Representative from Canada; (6) Representative from Chile; (7) Representative from Guyana; and (8) Secretary General, ICID.

**Observers :** (1) Vice President Hon. José A. Ortiz Fdz.-Urrutia (Spain); and (2) Representative from Portugal.

**Item 1 : Confirmation of the minutes of the 3<sup>rd</sup> meeting of the Working Group**

The minutes of 3<sup>rd</sup> meeting of Working Group held at Kuala Lumpur (2006), Malaysia will be confirmed during the meeting.

**Item 2 : Review of Membership**

The ICID Central Office has requested (21 March 2007) National Committees of Brazil, Canada, Chile and Guyana to send nominations for the membership of the Working Group. Canadian National Committee (CANCID) has informed (21 March 2007) that they will be sending a nomination shortly. Dr. Dindyal Permaul (Permanent Secretary) from Guyana National Committee (GUCID) expressed (30 April 2007) his interest in participating in AMRWG meeting at Sacramento, USA. Responses from others are awaited.

As suggested during Kuala Lumpur (2006) meeting, the National Committee of Portugal (PNCID) has been invited to participate in the activities of AMRWG as Observer. Central Office has requested (19 December 2006 and 21 March 2007) the PNCID to send a nomination. Response from Portugal is awaited.

Further, there are 9 National Committees i.e. Argentina, Columbia, Dominican Republic, Ecuador, Honduras, Panama, Peru, Surinam and Venezuela, which have become '*deemed inactive*'. The Central Office has contacted (10 January 2007) and urged them to revive their memberships. Responses are awaited.

Central Office has also attempted to contact new (fresh) countries in Americas: Republic of Bolivia, Republic of Costa Rica, Republic of El Salvador, Republic of Guatemala, Republic of Haiti, Republic of Jamaica, Republic of Paraguay, Republic of Puerto Rico, Republic of Trinidad & Tobago and Republic of Nicaragua, for the membership of ICID. Responses are awaited.

As far as Uruguay is concerned, the Central Office followed up leads provided by President Peter Lee in 2006 while he was participating in the XVIth National Congress on Irrigation and Drainage (CONIRD) at Goiânia in Brazil. Ing. Agr. Sergio de Agrela (Uruguay) informed (19 December 2006) that Uruguay has a new government and therefore pursuing ICID membership will take some time. In mean time, he offered himself and his company to take up the responsibility. The Central Office then sent (3 January 2007) him all the details for setting up broad-based National Committee. Ing. Agrela further informed (01 June 2007) that he will be attending Sacramento meetings (2007) and personally discuss the ICID membership issue.

Further, the Central Office has also requested (18 May 2007) Vice President Dr. Mark Svendsen (*also Vice President Incharge of Americas*) to encourage the countries concerned for ICID membership and their participation in the activities of the AMRWG. President Peter Lee opined (23 May 2007) that some alternative approaches for reactivation of National Committees could be : (i) International representation at the national meetings (*e.g. attendance at the Brazil [ABID] Congress*); (ii) Use of meetings of other organizations with easy access (*e.g. WWF, Stockholm Water Week and The World Bank*); and (iii) Virtual meetings.

Vice President Dr. Mark Svendsen (USA) visited ICID Central Office on 11 June 2007 and discussed various matters, particularly the issue of reviving the American Regional Working Group (AMRWG).

**Item 3 : Election/nomination of Chairman, Vice Chairman and Secretary**

At Kuala Lumpur (2006), the elections of Chairman, Vice Chairman and Secretary could not be held during the WG meeting due to non-attendance of members. It was decided to defer the elections till next meeting in Sacramento, USA (2007).

**Item 4 : Activities of the WG**

- **Workshop on ‘Water Reforms and Pricing’ at Sacramento, USA**

During the Kuala Lumpur meeting (2006), the WG proposed to organize a workshop on ‘Water Reforms and Pricing’ (03 October 2007, 14.00-17.00 hours) during the 58<sup>th</sup> IEC at Sacramento, USA. Central Office requested (15 February, 21 March and 26 April 2007) Convener of AMRWG Dr. Luis Rendón Pimentel (Mexico) to send an announcement (scope, sub-theme etc.) of the proposed workshop for circulation. Response is awaited.

To facilitate organizing the workshop, the Central Office further requested (11 May 2007) Mr. Tollefson from Canadian National Committee to take lead and facilitate organizing the workshop along side the AMRWG meeting. The Central Office has offered to provide all the necessary support - circulate the announcement among NCs in Americas and invite their active participation. Response is awaited.

- **Other activities**

It is hoped that the above workshop would bring the participating countries together and then the following activities could be discussed and initiated:

- Prepare updated country profiles giving information on natural resources, agricultural production, irrigation and drainage features etc.
- Development of AMRWG website on the lines of other ICID workbodies.
- Identify events taking place in Americas and participate.
- Foster close bilateral/multilateral cooperation between Latin American National Committees.
- Others.

Further, a workplan, for one year at the moment, needs to be prepared to guide and assign activities under AMRWG through the year till next meeting in 2008. Later, a three year rolling work plan could be prepared.

**Item 5 : Any other business**

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**AGENDA FOR 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 :** (1) Engr. Dr. Illahi B. Shaikh (Pakistan), Convener; (2) Dr. Gao Zhanyi (China); (3) Ir. Mohd. Azhari bin Ghazalli (Malaysia); (4) Nigerian Representative; (5) US Representative; (6) Indonesian Representative; (7) Iranian Representative; (8) South African Representative; (9) Italian Representative; and (10) Dr. Vijay K. Labhsetwar, ICID Central Office.

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

**Item 1 : Confirmation of minutes of the 17<sup>th</sup> meeting of the C-CONGR**

The minutes of the 17<sup>th</sup> meeting held at Kuala Lumpur (2006) Malaysia will be confirmed during the meeting.

**Item 2 : Review the membership of the Committee**

The Committee is composed of a Convener, who will be a member of the Organizing Committee of the next Congress and 6 other members to be appointed as follows: One member of each of the Organizing Committees of the previous and next to immediate next Congresses, two members of the two previous Organizing Committees and two future IEC meetings. This basic composition might be completed by addition of one member of the Organizing Committee of each of the Regional Conferences held duration the past and the future Congress, unless it coincides with an IEC Meeting.

The membership given earlier is as per above mode of selection. The nominations have been invited from U.S. National Committee on Irrigation and Drainage (USCID), Iranian National Committee of ICID (IRNCID), Italian National Committee of ICID (ITAL-ICID), South African National Committee on Irrigation and Drainage (SANCID) and Indonesian National Committee of ICID (INACID) for Committee membership.

In response, the South African National Committee on Irrigation and Drainage (SANCID) has nominated (26 March 2007) Mr. Felix B. Reinders (South Africa), Vice President, ICID for the membership of the Committee. CV of Mr. Reinders will be made available for consideration during the Committee meeting at Sacramento, USA (2007). Responses from others are awaited.

**Item 3 : Review the preparations of 20<sup>th</sup> ICID Congress (2008) at Lahore, Pakistan**

The 20<sup>th</sup> ICID Congress on Irrigation and Drainage will be held from 13 to 19 October 2008 at Lahore, Pakistan, along with the 59<sup>th</sup> meeting of International Executive Council (IEC) of ICID. '*Participatory Integrated Water Resources Management – from Concepts to Actions*' is the theme of the Congress. During the Congress, papers will be presented and discussed for two Congress Questions, Special Session, Symposium and Seminar, devoted to specific themes. The details of all above events are covered in the printed '*Call for Papers*' which has been circulated to all National Committees, chairs and members of the Workbodies, past and present office-bearers and International Organizations. The information on the 20<sup>th</sup> ICID Congress is also available on the ICID website <[www.icid.org](http://www.icid.org)>.

The 20<sup>th</sup> ICID Congress website <<http://www.icid2008.org>> has also been established (January 2007) by the Pakistan National Committee on Irrigation and Drainage (PANCID). However, it needs regular updation and improvement for which suggestions are welcome. The Organizing Committees of the 20<sup>th</sup> ICID Congress have been established in the host country for planning and conducting the Congress.

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

Engr. Dr. Illahi B. Shaikh (Pakistan), Convener and Chairman, PANCID will apprise the committee members.

**Item 4 : Review the progress of 59<sup>th</sup> IEC Meeting (2008) at Lahore, Pakistan**

The Pakistan National Committee on Irrigation and Drainage (PANCID) representative will apprise the Committee about the complete planning and organization of 59<sup>th</sup> International Executive Council (IEC) Meeting to be held during 13-19 October 2008 in Lahore, Pakistan.

**Item 5 : Review and discuss the preliminary plans for 60<sup>th</sup> and 61<sup>st</sup> IEC meetings**

The representatives from Nigerian National Committee and Indonesian National Committee will apprise the Committee about the status of preparation and detail planning of the 60<sup>th</sup> and 61<sup>st</sup> IEC meetings to be held in 2009 at Abuja, Nigeria and in 2010 at Jogjakarta, Indonesia, respectively.

**Item 6 : Regional Events**

**6.1 Feedback of the 4<sup>th</sup> 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 4<sup>th</sup> Asian Regional Conference and the 10<sup>th</sup> International Seminar on 'Participatory Irrigation Management (PIM)' during May 2-5 May 2007 in Tehran, Iran. This joint international event was organized and hosted by the Iranian National Committee on Irrigation and Drainage (IRNCID).

The representative from IRNCID will apprise the Committee members.

**6.2 Feedback of the 22<sup>nd</sup> European Regional Conference (2007) at Pavia, Italy**

The 22<sup>nd</sup> 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 main theme of the Conference was 'Water Resources Management and Irrigation and Drainage Systems Development in the European Environment' with four sub-themes.

The representative from ITAL-ICID will apprise the Committee members.

**6.3 Review preparations for the 2<sup>nd</sup> African Regional Conference (2007) in South Africa**

Mr. Felix B. Reinders (South Africa), Vice President, ICID will apprise the Committee about the complete planning and organization of 2<sup>nd</sup> African Regional Conference to be held during 6-9 November 2007 at Johannesburg, South Africa.

**6.4 Review preparations for the 5<sup>th</sup> Asian Regional Conference (2009) in India**

The representative from Indian National Committee of ICID (INCID) will apprise the Committee about the status of preparations and detail planning of the 5<sup>th</sup> Asian Regional Conference to be held in December 2009 at New Delhi, India.

**6.5 Review preparations for the 6<sup>th</sup> Asian Regional Conference (2010) in Indonesia**

The representative from Indonesian National Committee of ICID (INACID) will apprise the Committee about the status of preparations and detail planning of the 6<sup>th</sup> Asian Regional Conference to be held during 11-17 July 2010 at Jogjakarta, Indonesia.

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**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. Information on events by IRNCID and ITALCID have been received and uploaded on the webpage. Responses from others are awaited.

Pakistan National Committee on Irrigation and Drainage (PANCID) has established the 20<sup>th</sup> 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.

**Item 8 : Any other business**

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

Reducing Congress expenses *vis-a-vis* registration fee has always been a hot topic for discussion. President Lee (UK) during Kuala Lumpur meeting (2006) suggested that the cost of '*French Translation*' could be reduced, wherever possible.

Mr. Stephen Mills (Australia) suggested (2006) adopting a holistic approach. He said that travel, accommodation and per diem cost could all be a greater expense than the registration fee and exclusive isolation of registration fee as the main reason for the reduction of participants in events may not be true.

The C-CONGR may discuss the issue further.

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**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.*

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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**20<sup>TH</sup> ICID CONGRESS  
LAHORE, PAKISTAN, 2008**

The preparations are to be 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               | Details as mentioned in the Guidelines are to be covered.        |
| 2.     | Progress report  | Para 9                      | To be reported in September 2007    | This will be presented by the host Committee during IEC meeting. |
| 3.     | Congress website   | Para 10                     | Website established in January 2007 | To be regularly updated.   |
| 4.     | Exhibition and NC display  | Para 11                     | Nil                                 | Information should be available in September 2007 at Sacramento. |
| 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  |                                     |  |

**AGENDA FOR 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 :** (1) Vice President Dr. Karim Shiati, Chairman, 2006 (Iran, 1997); (2) Vice President Mohd. Azhari Ghazali, Vice Chairman (Malaysia, 1997); (3) Mr. Anthony J. Horton (Australia, 1997); (4) Mr. Khem Raj Sharma (Nepal, 1997); (5) Eng. A.S. Manoharadas (Sri Lanka, 1997); (6) Dr. Siripong Hungspreug (Thailand, 1998); (7) Mr. Bakhodyr M. Yusupov (Uzbekistan, 1998); (8) Mr. Waseem Nazir (Pakistan, 1999); (9) Mr. Kuo, Sheng-Feng (Chinese-Taipei, 2001); (10) Mr. Sastrodihardjo Siswoko (Indonesia, 2002); (11) Mr. Li Daixin (China, 2003); (12) Mr. Mir Sajjad Hossain (Bangladesh, 2003); (13) Mr. C.D. Khoche (India, 2006); (14) Mr. Taner Kimence (Turkey, 2006); (15) Mr. Tai-Cheol Kim (Korea, 2006); (16) Mr. Shinsuke Ota (Japan, 2006); and (17) Er. M. Gopalakrishnan, Secretary General, ICID.

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

**Item 1 : Confirmation of the Minutes of the 13<sup>th</sup> Meeting of ASRWG held in Kuala Lumpur, Malaysia, on 10 September 2006**

No comments received. Minutes may be considered for confirmation.

**Item 2 : Membership of the Working Group**

Dr. Karim Shiati was elected as new Chairman of the WG since Vice President Hon. S. Taniyama had decided to stepdown in the 13<sup>th</sup> meeting of ASRWG held on 10 September 2006 at KL.

Mr. C.D. Khoche (India), Mr. Taner Kimence (Turkey), Mr. Shinsuke Ota (Japan) and Dr. Kim Tae-Cheol (Korea) were inducted during the 13<sup>th</sup> meeting.

Nominations of Mr. Hanan Itzkovitch (Israel) and Engr. H.M. Jayatillake (Sri Lanka) were deferred until the candidates are either present or represented at the meeting of ASRWG.

Members who are nominated by various National Committees (Nepal, Sri Lanka, Israel, and Uzbekistan) but not attended WG meeting or contributed during the last two years were requested (e-mail dated 22 December 2006 and 14 April 2007) to come up with their confirmation regarding membership. Request was also made to the inactive National Committee of Bangladesh to make the country membership active and thereby become a member to the ICID workbody. Recently Bangladesh paid their subscription arrears and activated their membership in ICID with effect from 2003.

Attendance of the members at the meetings of the Working Group in 2005 and 2006 will be presented at Sacramento. Members who were neither present nor contributed through correspondence for the last two consecutive years are:

- Mr. Khem Raj Sharma (Nepal)
- Dr. Siripong Hungspreug (Thailand)
- Mr. Bakhodyr M. Yusupov (Uzbekistan)
- Mr. Sastrodihardjo Siswoko (Indonesia)
- Mr. Kuo, Sheng-Feng (Chinese Taipei)

## A. CONTINUING ITEMS

### Item 3 : To Discuss Future Work Plan

As per the three year rolling plan as adopted at Beijing (attached at **Annex 1**), The ASRWG has to:

- Encourage Neighbouring Countries to join in ICID
- Finalize theme and topics of 5<sup>th</sup> Regional Conference in 2009 in New Delhi, India and
- Revise the work plan of ASRWG at 58<sup>th</sup> IEC.

As a follow up action, the Central Office (CO), ICID sent letters requesting the Inactive Member Countries of Asian Region, namely Bangladesh, Jordan, Lebanon, Tajikistan, Vietnam and New Zealand besides Azerbaijan, Afghanistan, Cambodia, Lao PDR, Mongolia, Turkmenistan and Yemen. The CO received letters from New Zealand and Bangladesh. New Zealand intimated that they are in the job of examining whether the New Zealand Government should represent New Zealand on the ICID or it may be more appropriate for an industry based organization to take on this role. CO also received subscription arrears from Bangladesh (21 May 2007) for the years 2003-2007. Responses from others are still awaited.

ASRWG may like to note.

### Item 4 : To Review and Implement the Recommendations of the 2<sup>nd</sup> Asian Regional Conference, Echuca / Moama, Australia, March 2004

In the 13<sup>th</sup> meeting the Australian National Committee (ANCID) reported that it would continue to take action on the four broad recommendations that were adopted at the 2<sup>nd</sup> ARC (attached for *reference at Annex 2*). The ANCID also informed that the proceedings of the conference are in progress.

The Central Office (CO) requested (30 April 2007) ANCID to intimate the latest development in implementation of 2<sup>nd</sup> ARC recommendations and the status of preparation/publication of proceedings of the Conference.

It was requested to ANCID to distribute about 30 copies of the Conference proceedings in Sacramento meeting.

### Item 5 : 3<sup>rd</sup> Asian Regional Conference

The 3<sup>rd</sup> Asian Regional Conference was held from 13-15 September 2006 at Putra World Trade Centre, Kuala Lumpur, together with the 7<sup>th</sup> International Micro-Irrigation Congress. The theme of the 3<sup>rd</sup> ARC was "Transforming Irrigated Agriculture into an Efficient Engine of Growth" whilst for the 7<sup>th</sup> International Micro-Irrigation Congress was "Advances in Micro-Irrigation for Optimum Crop Production and Resource Conservation".

The 3<sup>rd</sup> ARC was conducted with the main objectives of assessing the current status of agricultural production and the need for a transformation, sharing and disseminating experiences of using modern technology to enhance agricultural production and optimum use of land and water. About 50 papers were received under the four sub-themes viz., institutional and policy, management, economics, and research and development.

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

Vice President Ir. Azhari bin Ghazali will brief some outstanding issues of the conference and the conference declaration will also be distributed during the 14<sup>th</sup> meeting scheduled at Sacramento.

### Item 6 : 4<sup>th</sup> Asian Regional Conference

The Iranian National Committee on Irrigation and Drainage (IRNCID), ICID & INPIM organized the 4<sup>th</sup> ARC and the 10<sup>th</sup> International Seminar on Participatory Irrigation Management (PIM) in Tehran, Iran from 2-5 May 2007. This joint international event was organized and hosted by the Iranian National Committee on Irrigation and Drainage (IRNCID) - one of the active ICID's National Chapters, and the INPIM. Over 900 experts, professionals, policy

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makers, planners, researchers, managers, donors, development partners and representatives from national, regional and international organizations from 40 countries participated in the event.

This global event provided an important forum to stakeholders for reporting and discussing issues, challenges and options for agricultural water management, specifically focusing on participatory approaches to irrigation management, sharing knowledge, experiences, lessons and promoting best practices and innovative ideas on PIM. The forum presented over 110 papers - covering a wide range of PIM aspects from a variety of situations - on the following three sub-themes:

- Review of participatory measures in Irrigation - that focused on success stories and experiences with implemented and proposed PIM frameworks and models,
- Required grounds and facilities for PIM - that discussed organizational reforms, legal frameworks and norms, socio-cultural and political grounds, and
- Support system for PIM sustainability - that critically looked into required policies and strategies, monitoring and evaluation frameworks, and capacity building and training needs.

The declaration of the event is posted at [www.icid.org/decl.html#tehran07](http://www.icid.org/decl.html#tehran07) for general consumption.

Dr. Shiati, the Chairman ASRWG will brief the side events and some outstanding issues of the Conference

#### **Item 7 : ASRWG Newsletter and ASRWG Homepage**

Malaysian Representative informed that Malaysia was unable to have its own server and Webmaster due to Governmental policy. China, Iran and Indonesia have provided the URL to the Central Office while Taiwan is in the process. The Chairman requested the other National Committees to link their Universal Resource Locator (URL) to the Central Office's and informed that the arrangement of establishing Network Linkages would be coordinated by the Central Office.

While taking up the matter further in the CO, Network Linkages have been established between the National Committees of Australia (ANCID), Chinese Taipei Committee (CTCID), Iran (IRNCID), Malaysia (MANCID) and Thailand (THAICID) with the ASRWG website <http://www.asrwg.icidonline.org/> accommodated in the reserved domain of the server space hired additionally by the CO. Requests were made to other National Committees including Taiwan within ASRWG to provide their URLs or Website Name to the CO for establishing further Network Linkages.

#### **Item 8 : Work on the Basin-sharing Model for Mekong River Formation**

Dr. Siripong Hungspreug, the Thai representative informed that work on the Basin Sharing Model for Mekong River Commission is still going on under Phase II - "Integrated Water Resources Management (IWRM)". Dr. Hungspreug also highlighted that four (4) countries have signed an agreement for river maintenance flow and equitable share of water allocation. Strategy and action plan for 2006 – 2010 is now being drafted.

President Peter Lee, attended the conference on "Water Resources and Renewable Energy Development in Asia" in Bangkok in November 2006 and presented a keynote paper. He will give a brief on the outstanding issues of the Conference.

#### **Item 9 : Asian Drainage Programme for the Humid Tropics (ADPHT) and Eradication of Information Gap**

In the 13<sup>th</sup> meeting IPTRID has agreed to fully support this programme and mentioned that further discussion with Malaysia and Iran is needed for developing further strategies, IRNCID has shown willingness to prepare a concrete and comprehensive procedure to have its own ADC in semi-arid region. Australia and The Netherlands have given their support to ADPHT and mentioned that they would like to contribute and get involved in its activities and organize programmes in future.

Accordingly, the CO made requests to Program Manager, IPTRID and the National Committees of Malaysia (MANCID), Iran (IRNCID), The Netherlands (NETHCID) and Australia (ANCID). We received intimation from the Program Manager, IPTRID and NETHCID.

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IPTRID indicated that IRNCID is in the job of preparing a concept note to be sent to IPTRID. IPTRID is also working for exploring the possibilities of jointly submitting a more formal proposal to potential donors to finance the planned Asian Drainage Centre (ADC) for Semi-Arid Region. IPTRID identified some preliminary objectives for the ADC, namely, networking, applied research and capacity development activities and mentioned about the need for extra fund to continue the networking activities. IPTRID expressed its willingness to work as a facilitator with IRNCID and MANCID in pursuing the goal.

NETHCID informed (1 May 2007) that no concrete actions were currently envisaged in NETHCID with respect to ADPHT.

ASRWG may like to deliberate on the issue on ADC for Semi-Arid Region.

**Item 10 : Linkages with Regional and Transnational Organizations for Cooperation**

**(i) International Water Management Institute (IWMI)**

During the 13<sup>th</sup> meeting, on behalf of IWMI, Dr. Hatcho reported on the recent activities of IWMI and encouraged all the members of ASRWG to see the website of IWMI for better collaboration between IWMI and ICID at local levels. President Lee supplemented on the issue by quoting that the IWMI and ICID have MoU for collaboration and should pursue further for developing collaborations at practical levels.

Based on the view points, the CO communicated (1 May 2007) to all members ASRWG to provide their views regarding developing better collaborations between IWMI and ICID at practical/local level. Accordingly, Mr. Tony Horton (Australia) vide e-mail dated 8 May 2007 indicated that he supports the idea. He mentioned that it is difficult to see for developing the collaboration as Australia is not one of the countries in which IWMI operates or is likely to operate in the foreseeable future. ANCID is prepared to do what it can to support IWMI through mechanisms such as the provisions of information, assistance in the design of knowledge networks, peer reviews of IWMI's program and projects, the provision of case studies in catchment management (example Murray Darling Basin), the facilitation of contacts between Australian and IWMI researchers, etc.

Responses from other members are awaited.

ASRWG may like to deliberate in the matter.

**(ii) Global Peat Initiative (GPI)**

First phase of the land, water and environment of the Global Peatland Initiative (GPI) was started in April 2001 with funding from the Netherlands Ministry of Foreign affairs (DGIS). The programme's aim is to support and enhance the participation of countries in transition and developing international conservation and wise use of peatlands. The Global Peatland Initiative (GPI) is managed by a Steering Committee involving Wetlands International, Alterra, International Peat Society (IPS), International Mires Conservation Group (IMCG) and IUCN-Netherlands Committee (IUCN/NL). Reports from the Global Environmental Centre (GEC) will be presented in the next meeting.

Representative from Thailand intimated Thailand's willingness to participate in the programme and brief about the latest outcomes of GPI.

ASRWG may like to consider and deliberate the matter further.

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

Mr. Thierry Facon reassured that FAO would continue to provide strong support for programmes related to agriculture and water, such as International Network on Water and Ecosystems in Paddy Fields (INWEPF). He also informed that the FAO had recently organized a workshop on "Future of large based irrigation system for rice field" in Ho Chi Minh City, Vietnam.

The 13<sup>th</sup> meeting of ASRWG fully appreciated FAO's efforts.

ASRWG may like to coordinate further for widening the spheres of activities with FAO.

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**Item 11 : Possibility of Developing Cooperative Arrangements with BOAO Forum for Asia**

CNCID agreed to provide full support to the BOAO Forum, as per requirement. The CO, ICID would continue its efforts for cooperative relationship with the BOAO Forum in conjunction with the CNCID. The matter will be placed for consideration of the ASRWG in the next meeting.

CO made further communications to BOAO Forum (e-mail dated 17 May 2007). Response is awaited.

More outcomes of this item will be briefed by CNCID representative and the Chairman of the Working Group.

**Item 12 : Possibilities of Developing Cooperative Arrangements with International Society of Paddy and Water Environment Engineering (PAWEES)**

On behalf of the PAWEES, Dr. Hatcho reported its activities, since the last Conference in Beijing and encouraged the members to contribute the outcomes of their research and findings on paddy and water related issues to the PAWEES Journal, which is being published quarterly.

The CO made requests (17 May 2007) to all the members to make contributions to the PAWEES Journal and submit the details showing the contributions, if any made to the Journal.

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

For studying the diversified role of irrigation water, the Ministry of Agriculture, Forestry and Fisheries of Japan (MAFF) has established an International Network for Water and Eco-system in Paddy Fields (INWEPF). The aim of INWEPF is to promote the network for research and effective dialogue using the experiences concerning paddy field systems.

Dr. Kim Tai-Cheol mentioned that the 2<sup>nd</sup> Steering Meeting of the INWEPF was held in Seoul, Korea in 2005 and reported the activities of INWEPF for the period from 2005-2006 in the meeting. He also intimated that the 3<sup>rd</sup> Steering Meeting as well as a workshop on the theme, "Now, Tomorrow and the Future of Rice Paddy" would be held in Kuala Lumpur on 17-19 September 2006 and members were encouraged to participate in the workshop.

The INWEPF reported through their E-Newsletter Vol. 18 dated 18 May 2007 that:

- INWEPF 3rd Steering Meeting and Workshop was successfully held in Kuala Lumpur, Malaysia from 17-19 September 2006
- INWEPF Malaysia hosted these events
- A total of 42 participants from member countries attended
- In the workshop, action plans for INWEPF was discussed and output was made up as "Kuala Lumpur Workshop Statement"
- In Steering Meeting, Report on INWEPF activities 2005-2006 as well as contribution to the 4th World Water Forum was presented
- One of the remarkable outputs of the Steering Meeting was the proposal of showing three Working Groups on "Multiple Roles of Paddy Fields", "Vision, Policy and Information Dissemination on INWEPF activities and programs" and "Monetary Assessment and Value Adding in the Multifunctional Roles of Paddy Fields"
- Further related documents of the workshop are available at [www.maff.go.jp/inwepf/en/news/sm3.htm](http://www.maff.go.jp/inwepf/en/news/sm3.htm)

Dr. Kim Tai Cheol will brief the outcomes of the INWEPF workshop held on 1-3 July 2007 in Seoul during the time of the 14<sup>th</sup> ASRWG meeting scheduled at Sacramento.

**Item 14 : Task Force on Asian LDCs**

The 3rd meeting of TF-LDCs and its 1<sup>st</sup> Special Session on "Avenues for Cooperation" were held on 10 September 2006 during the 57<sup>th</sup> IEC events. The main theme of the Special Session was on the topics of planning, implementation and management of small or tertiary distribution schemes in LDCs and other countries in Asia. MD. Nurul Islam and Q.R. Islam (Bangladesh); Hideyuki Kanamori, Japan International Cooperation Agency (JICA); and Dr. S. Taniyama (Japan) presented papers in the first Special Session.

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Fourth meeting of the TF-LDCsAS and its 2<sup>nd</sup> Special Session were conducted on 3 May 2007 in Tehran, on the occasion of the 4<sup>th</sup> Asian Regional Conference held in Tehran. In the session, VPH Nairizi, Iran, presented a paper titled "Irrigation Improvement management through farmers' participation". Prof. Dr. M Satoh, Japan and Ms. Tassanee, Thailand presented a paper on "The government role in making participatory irrigation management successful".

The Task Force agreed that the TF will meet again on the occasion of the 58<sup>th</sup> IEC meeting to be held in September-October 2007 in USA and discuss the revised summary report. The revision would be made building on the comments received in the 2<sup>nd</sup> Special Session in Tehran and incorporating further comments to be received from the members of TF and Mr. Musa, Chairman of TF-LDCs in Africa. The activities of the TF will be considered with a view to take winding up measures in Sacramento upon the submission of the TF report.

**Item 15 : 5<sup>th</sup> Asian Regional Conference**

The Indian representative informed the meeting that the 5<sup>th</sup> Asian Regional Conference (ARC) would be held in New Delhi, India in December 2009. The main theme of the 5<sup>th</sup> ARC will concentrate on 'Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better O&M' and its sub-themes will be:

- Supply Management including Pipe Distribution System
- Organization Management
- Demand Management
- Irrigated Area Drainage
- Command Area Improvement, Water Conservation, Technology Improvement, and
- Legal Aspects and Gender Issues.

In the meeting, it was decided that India would make an official announcement in the next meeting.

The CO requested (vide e-mail dated 27 April 2007) the Indian National Committee on Irrigation and Drainage (INCID) to come up with the official announcement and updation of information, if any.

**Item 16 : 6<sup>th</sup> Asian Regional Conference**

National Committee of Indonesia would host the 6<sup>th</sup> ARC in Yogyakarta on 11-17 July 2010. The 13<sup>th</sup> meeting of ASRWG supported to the event to be held in Indonesia.

**Item 17 : ASRWG's Contribution to the 5<sup>th</sup> World Water Forum**

The report on preparatory Seminar for the 5<sup>th</sup> WWF held in Turkey (March 2007) by Er. Gopalakrishnan, Secretary General, ICID will be distributed.

**Item 18 : Any Other Business**

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**ASIAN REGIONAL WORKING GROUP (ASRWG)**

**Three Year Rolling Plan**

| <b>Activity</b>  | <b>2005</b>   | <b>2006</b>  | <b>2007</b>                                     |
|--|---|--|---|
| Network  | Update Homepage   | Update Homepage  | To upgrade Homepage                             |
| Meeting  | China 56 <sup>th</sup> IEC<br>To revise work plan                         | Malaysia 57 <sup>th</sup> IEC<br>To revise work plan                     | USA 58 <sup>th</sup> IEC<br>To revise work plan |
| Membership   | China to encourage North Korea  | Encourage neighboring countries to join ICID                             | Encourage neighboring countries to join ICID    |
| Asia Drainage Programme  | Follow up activities  | Follow up activities on prioritisation                                   | Follow up activities on prioritization          |
| World Water Forum and WT on Multiple Roles of Irrigation Water           | Workshop on Multiple Roles of Irrigation Water to be organized at Beijing | Presentation of the Synthesis paper of the WT at the 4 <sup>th</sup> WWF | Follow up of 4 <sup>th</sup> WWF activities     |
| 56 <sup>th</sup> IEC and 19 <sup>th</sup> Congress 2005 Beijing, China   | 11-19 September 2005 Beijing, China                                       | Follow up activities   |   |
| 3 <sup>rd</sup> Regional Conference 2006 (Malaysia)                      | Call for papers   | 10-17 September Kuala Lumpur   | Follow up activities                            |
| 4 <sup>th</sup> Regional Conference 2007 (Iran)                          | Finalize theme and topics   | Calling for papers   | 2-5 <sup>th</sup> May, Tehran                   |
| 59 <sup>th</sup> IEC and 20 <sup>th</sup> Congress 2008 Lahore, Pakistan | To discuss theme  | Finalize theme and topics  | Preparation for IEC                             |
| 5 <sup>th</sup> Regional Conference 2009 (New Delhi)                     |   | To discuss theme   | To finalise theme and topics                    |

**ASIAN REGIONAL WORKING GROUP (ASRWG)****2<sup>nd</sup> Asian Regional Conference****Theme : Irrigation in a Total Catchment Context - Sharing the River****Recommendations**

The following recommendations were drawn from the presentation and discussions of 40 papers distributed in 14 sessions which deliberated over 3 days. The four broad recommendations each including several specific ones are based on the partial recommendations drawn from each session by the respective session rapporteurs.

***Recommendation 1***

When planning and developing infrastructure projects it is essential to involve all stakeholders and introduce appropriate economic pricing policies and legal, social and cultural considerations to ensure long term sustainability of projects.

*Specific issues include*

- Water pricing policy should reflect scarcity and cost of project development
- Legal provisions must be set out for institutional reform, separating regulatory and service provision and ensure compliance with system operation rules by users and service providers and to capture water savings through a system of appropriate water entitlements
- Provisions should be made for financial assistance programs to ensure that community service obligations are met
- Water pricing must take account of social policy objectives. In developing countries, poverty alleviation often forms part of the objectives pursued by water resource management initiatives. This is often addressed by a tiered pricing approach that reflects a threshold for basic human and production needs.

***Recommendation 2***

Appropriate scale considerations must be made to integrate irrigation systems into the whole of the catchment. Failure to take the scale into account in system design and management can have adverse consequences at the catchment level.

*Specific issues include*

- Recognition of complexity beyond supply and on-farm systems
  - In multi-jurisdictional river basins, water allocation must take into account the whole-of-basin resources and consumption
  - Farm water losses are often not water losses at all when considered at the catchment level, in fact they often supply diversion needs downstream.
  - Monitoring of catchment processes must be done holistically to understand the sources and sinks of nutrients and pollution in order to design appropriate management strategies
  - Political division often hampers data collection and integration of databases. It is often the case that different political jurisdictions use different approaches and formats to collect catchment data, e.g. land and water management plans, or data may not be shared freely.
  - There are impediments to expanding water trade markets due to inconsistent water entitlement systems across political boundaries.
-

**Recommendation 3**

A full economic, environmental and social impact analysis must be undertaken before embarking on infrastructure programs.

*Specific issues include*

- Ageing infrastructure needs replacement and adequate provision must be made for it. Gov't policy differs in this regard as to what costs are to be charged to users, e.g. O&M and/or capital costs
- Surface and groundwater pumping projects
- For water recycling projects to succeed financially, more attention is to be focused on the commercial aspects of the project.

**Recommendation 4**

Catchment planning and management decisions should be underpinned by rigorous scientific research, information and skill development.

*Specific issues include*

- Environmental studies should underpin environmental flow decisions
  - Use of the modern methods are now available to trace sources and sinks of pollutants
  - Modelling analysis should reflect and integrate the connections between groundwater and surface water systems and be standardized
  - Modern research techniques such as remote sensing can help offset the lack of data (climate) in some parts of the region
  - Metering of water supply should form part of all irrigation and drainage system operations.
-

**AGENDA FOR 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 :** (1) Dr.-Ing. Eiko Luebbe, Chairman (Germany); (2) Prof. Dr. Peter Kovalenko, Vice Chairman (Ukraine); (3) Dr. Laszlo Hayde, Secretary (Hungary); (4) Prof. Dr. Brane Maticic (Slovenia); (5) Dr. E.P. Gusenkov (Russia); (6) Dr. Michele Angelo Cuccaro (Italy); (7) Prof. Dr. Ion Nicolaesco (Romania); (8) Prof. Dr. Robert Brouwer (The Netherlands); (9) Mr. Pedro Eduardo da Cunha Serra (Portugal); (10) Mr. Nicos Tsiourtis (Cyprus); (11) Prof. Dr. Svatopluk Matula (Czech Rep.); (12) Dr. Antanas Maziliauskas (Lithuania); (13) Mr. Peter Borrows (Great Britain); (14) Dipl.-Ing. Frederick M. Cate (Austria); (15) Dr. Ricardo Segura (Spain); (16) Dr. Henri Tardieu (France); (17) Mr. Jaakko Sierla (Finland); (18) Dr. Davor Romic (Croatia); (19) Dr. Zvonimir Vukelic (Macedonia); (20) Mr. Mati Tonismae (Estonia); (21) Prof. Dr. A. Poulouvassilis (Greece); (22) Dr. John Martin (Ireland); (23) Mr. Peter Pantelic (Serbia-Montenegro); and (24) Secretary General, ICID.

**Observer :** Mr. Mohammed Binbilidia (IME, France).

**Ex-Officio Members :** (i) Chairman, ERWG Work Team on Drought; (ii) Mr. Peter Borrows (Great Britain), Chairman, ERWG Work Team on Floods; (iii) Ing. Frank Sperling (Germany), Chairman, ERWG Work Team on European Water Framework Directive; (iv) Prof. Dr. Peter Kovalenko (Ukraine), Chairman, ERWG Work Team on Sustainable Irrigation Management; (v) Dr. G.G. Guluyk (Russia), Chairman, ERWG Work Team on Drainage.

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

**Item 1 : Confirmation of the minutes of the 12<sup>th</sup> meeting of the Working Group**

The minutes of the 12<sup>th</sup> meeting of the Working Group held on 11 September 2006 at Kuala Lumpur (Malaysia) will be 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 Dr. E.P. Gusenkov, for the membership of the WG. Their CVs will be placed for consideration during the WG meeting.

Central Office requested (7 March 2007) the Swiss National Committee of ICID (CH-AGRAM, Switzerland) to send a fresh nomination of a professional for the membership of the European Regional Working Group (ERWG) for consideration during the ERWG meeting at Sacramento (2007), USA. Response is awaited.

The National Committees of Bulgaria, Poland and Slovak Republic have become inactive in recent past. The Central Office is in contact (23 April 2007) with these NCs for their reactivations. The Central Office has also invited (23 April 2007) Albania, Bosnia & Herzegovina and Moldova for fresh ICID memberships. Responses are awaited.

In order to pursue the above memberships, the Central Office requested (28 May 2007) Dr.-Ing. Eiko Lubbee (Vice President Incharge of Eastern and Western Europe and Africa) and Dr. G.G. Guluyk (Vice President Incharge of Eastern Europe) to contact the concerned National Committees and facilitate their membership.

Attendance of members at the meetings in 2005 and 2006 will be presented at Sacramento.

**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 ERWG network includes 7 National Water Management Associations (**Annex**). The abbreviation ATV-DVWK has been now replaced by DWA, based on the new German name. However, the activities of DWA remain the same. Further developments may be 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 by end of 2006. The Central Office is in contact (26 March 2007) with Prof. Joachim Quast for the same. Response is awaited. Prof. Quast will apprise the members.

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. The Central Office has invited (26 March 2007) the ideas on further utilization of the available training materials in other countries from the members. Responses are awaited.

Dr. Laszlo Hayde (UNESCO-IHE in The Netherlands) may apprise the members.

**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).

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 Draft Directives can be accessed at following websites:

[http://ec.europa.eu/environment/water/water-framework/wfd\\_newsletter.html](http://ec.europa.eu/environment/water/water-framework/wfd_newsletter.html) or  
<http://ec.europa.eu/environment/water/>

The Chairman will apprise the members on the above dialogue.

**Item 6 : European Work Team on Drought (EWTDRO)**

Prof. Dr. Vermes (Hungary) indicated (2006) his desire to retire from the chairmanship of EWTDRO. The members expressed their appreciation for his work. In view of an inactive situation due to paucity of willing membership of the WT, the termination of the WT was brought to fore. Taking into account the importance of the subject, a decision was deferred in Kuala Lumpur (2006) meeting.

The Central Office requested (26 March 2007) Dr. Hayde to contact Prof. Vermes for his suggestions and ideas on the future actions and a new work plan for EWTDRO. Response is awaited.

Dr. Hayde, Secretary of ERWG will apprise the members.

**Item 7 : European Work Team on Floods (EWTFLO)**

The main topics are still national and international action plans, technical flood protection means, systems measure to reduce damage potential, flood modelling and cost-benefit analyses. Preventive flood protection is necessary and needs a wider co-operation.

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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 will apprise the WG-members.

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 since been proposed as an ICID position paper on Flood Management. This position paper has been accepted by the WG-CAFM and presented to PCTA for approval during the Kuala Lumpur meetings (2006). The PCTA recommended this position paper finalized by the WG for circulation to NCs and proposed to place it for approval by 58<sup>th</sup> IEC at Sacramento, USA. The Central Office has acted accordingly and sent the paper with due revisions in consideration to comments received from National Committees earlier.

Mr. Peter Borrows may apprise the members.

**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 awaited.

The Chair will apprise the WG-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. The WG intends to develop guidelines on instruments and tools of a sustainable irrigation management based on the outcome of the project. Such guidelines would be useful especially for Central and Eastern European countries including those outside the EU.

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. The general goal of the project was to enable the governments and stakeholders of the participating countries to reach sustainable irrigation management under new socio-economical conditions and reforms in agriculture.

The 1<sup>st</sup> Workshop of Phase-II is expected to be held in Kiev in 2007 with the objective to discuss and adopt the results of Phase-I and to link international and national participants for the improvement of strategies and action plans for IMT and follow up activities on sustainable irrigation management. The financial difficulties of this proposal were to be solved. The workshop will cost about 20,000 EUR.

Prof. Kovalenko will apprise the members.

**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.

Dr. G.G. Guluyk, Chairman of EWTDR will apprise the members.

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**Item 11 : Conferences supported by ERWG**

- **22<sup>nd</sup> European Regional Conference of ICID, 2-6 September 2007, Pavia, Italy**

The 22<sup>nd</sup> European Regional Conference of ERWG was held during 2-6 September 2007 at Pavia, Italy. The main theme of the Conference was '*Water Resources Management and Irrigation and Drainage Systems Development in the European Environment*'.

The proposed Conference Topics were : Topic 1: Impacts of Extreme Hydrological Events on Irrigation and Drainage Systems (*Keynote Speaker : R. Feddes*). Topic 2 : Energy Saving Technology in Advanced Irrigation Systems (*Keynote Speakers: L. Ubertini and A. Moreno*). Topic 3 : Conjunctive Use of Surface and Groundwater (*Keynote Speakers : D. De Wrachien and C. Fassio*) and Topic 4 : Participatory Management and Economic Policies for Irrigation and Drainage Development (*Keynote Speaker : A. Vidal*).

During the 22<sup>nd</sup> European Regional Conference (ERC), the following International workshops were also organized:

- (a) Workshop on '*History of Irrigation, Drainage and Flood Control*' on 2 September 2007.
- (b) Workshop on '*European Framework Directive in the Field of Water Policy*' on 3 September 2007.

Dr. M. Elisa Venezian Scarascia, General Secretary, Italian National Committee of ICID (ITAL-ICID) or Dr. Michele Angelo Cuccaro (Italy), member-ERWG, may apprise the members.

- An International Conference on '*Climate Change and Water Management*' was proposed to be held in early 2007 in Germany under the German EU-Presidency. The Chairman will apprise the members.
- Finish-Estonian Drainage Workshop in 2008: Mr. Jaakko Sierla (Finland) and Mr Mati Tonismae (Estonia) distributed the first announcement, call for papers and informed the members on the Finnish - Estonian Drainage Workshop from 30 June to 4 July 2008 in Helsinki and Tallin during Kuala Lumpur (2006) meeting. An interim meeting of ERWG has also been proposed to be held during this workshop. More information can be accessed at <[www.fincid.fi/dw2008](http://www.fincid.fi/dw2008)>.

**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.

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](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](mailto: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 21<sup>st</sup> European Regional Conference (ERC) of ICID at Frankfurt (Oder) 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), the organizers of 22<sup>nd</sup> ERC, had the challenge to organize similar activities for young professionals in 2007. The Chairman will apprise the members.

**Item 14 : New Euro-Mediterranean Irrigators Community**

The aim of the new Euro-Mediterranean Irrigators Community, based in Spain, is to strengthen their position and defend the water rights of farmers against other water users. ERWG will support the goal, if it were to

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assure that agricultural water needs and uses will be protected in the context of sustainability and closed water cycles followed by all water users. The Chairman will apprise the members.

**Item 15 : Any other business**

- **EU: New Floods Directive adopted**

On 25 April 2007, 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. The directive was proposed by the Commission in 2006 in order to prevent and limit floods and their damaging effects on human health, the environment, infrastructure and property. The new Directive will require that Member States take a long-term planning approach to reducing flood risks.

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

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

With great efforts from Vice President Dr. G.G. Guluyk, Chairman and Dr. (Mrs.) Irena G. Bondarik, Secretary General of the Russian National Committee of ICID (RuCID), a new Russian Section showing the ICID activities has been launched in July 2007. This section of the website would facilitate disseminating information of the ICID activities to Russian speaking countries in East Europe and Central Asia.

The Russian Section of the ICID website can be accessed at <<http://www.icid.org/Russian/>>.

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**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 |                             |                          |                                  |
|-------------------------|-----------------------------|--------------------------|----------------------------------|
| <b>Austria</b>          | Mr. Frederick M. Cate       | <b>Macedonia</b>         | Prof. Zvonimir Vukelic           |
| <b>Croatia</b>          | Dr. Davor Romic             | <b>Portugal</b>          | Mr. Pedro Eduardo da Cunha Serra |
| <b>Cyprus</b>           | Mr. Nicos Tsiourtis         | <b>Romania</b>           | Prof. Ion M. Nicolaescu          |
| <b>Czech Republic</b>   | Prof. Svatopluk Matula      | <b>Russia</b>            | Mr. Eugeny P. Goussenkov         |
| <b>Estonia</b>          | Mr. Mati Tonismae           | <b>Serbia-Montenegro</b> | Mr. Peter Pantelic               |
| <b>Finland</b>          | Mr. Jaakko Sierla           | <b>Slovenia</b>          | Prof. Brane Maticic              |
| <b>France</b>           | Dr. Henri Tardieu           | <b>Spain</b>             | Mr. Ricardo Segura Graino        |
| <b>Germany</b>          | Dr.- Ing. Eiko Luebbe       | <b>Switzerland</b>       | -----                            |
| <b>Greece</b>           | Prof. Dr. A. Poulouvassilis | <b>The Netherlands</b>   | Prof. Robert Brouwer             |
| <b>Hungary</b>          | Dr. Laszlo Hayde            | <b>Ukraine</b>           | Prof. Peter Kovalenko            |
| <b>Ireland</b>          | Dr. John Martin             | <b>United Kingdom</b>    | Mr. Peter Borrows                |
| <b>Italy</b>            | Dr. Michele A. Cuccaro      |                          |                                  |
| <b>Lithuania</b>        | 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  
*Serbia* : Prof. Dr. Svetimir Dragovic

**Subordinate Work Teams****European Work Team on Drought (EWTDRO)**

|                 |  |
|-----------------|--|
| <b>Chairman</b> | <i>To be elected</i>   |
| <b>Members</b>  | Mrs. Katerina Danevska (Macedonia),<br>Prof. Dr. Svetimir Dragovic (Serbia - Montenegro),<br>Prof. Dr.-Ing. Joachim Quast (Germany),<br>Prof. Dr. Brane Maticic (Slovenia),<br>Prof. Dr. Andrei Canarache (Romania),<br>Mrs. Larisa Filippenko (Ukraine) |

**European Work Team on Floods (EWTFLO)**

|                 |  |
|-----------------|--|
| <b>Chairman</b> | Mr. Peter Borrows (United Kingdom)   |
| <b>Members</b>  | Mr. Frederick M. Cate (Austria),<br>Mrs. Stanislava Dodeva (Macedonia),<br>Mr. Hans van Duivendijk (The Netherlands),<br>Mr. Vladimir Milovsky (Russia),<br>Dr. Pavel Puncochar (Czech Republic),<br>Mr. Kari Rantakokko (Finland),<br>Prof. Lajos Szilávik (Hungary), |

**European Work Team on EU Water Framework Directive (EWTWFD)**

|                 |   |
|-----------------|---|
| <b>Chairman</b> | Ing. Frank Sperling (Germany)   |
| <b>Members</b>  | Mr. Frederick M. Cate (Austria),<br>Mr. Istvan Zsolt Ijjas (Hungary),<br>Mr. Vladimir Milovsky (Russia),<br>Dr. Pavel Puncochar (Czech Republic),<br>Mr. Ricardo Segura Graino (Spain),<br>Mr. V. Stavric (Macedonia),<br>Mr. Risto Timonen (Finland) |

**European Work Team on Sustainable Irrigation Management (EWTSIM)**

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

|                 |                           |
|-----------------|---------------------------|
| <b>Observer</b> | World Bank representative |
|-----------------|---------------------------|

**European Work Team on Drainage (EWTDRA)**

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

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***Editorial Board of ERWG Letter (EBLET)***

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|------------------|--|
| <b>Editor</b>    | Dr.-Ing. Eiko Luebbe (Germany),  |
| <b>Secretary</b> | Prof. Dr.-Ing. Joachim Quast   |
| <b>Members</b>   | Dr. Frantisek Dolezal (Czech Republic),<br>Mr. John Hennessy (UK),<br>Dr.Lajos Szlávik (Hungary)<br>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)

***Current Projects***

- Drought mitigation strategies
  - Implementation of the European Water Framework Directive
  - Flood plain management on Odra, Nemunas and Vistula
  - Flood prevention strategies
  - Point and diffused pollutants in the Odra basin
  - Sustainable irrigation and drainage management under the conditions of transitional economy
  - Dialogue on water for food and environmental security in Central and Eastern Europe
-

**AGENDA 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**

**Year of Establishment: 2005****Completion of the Mandate: 2009**

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

**Permanent Observers:** (i) LCBC representative, (ii) FAO representative (iii) IPTRID representative, (iv) ARID-RAID representative, (v) World Bank representative.

**Item 1 : Membership of the Special Work Team**

At Kuala Lumpur meeting, the team considered and firmed up all those who attended the meeting for the membership. Members agreed to extend the invitation to the Chairmen of ST-ARAL, WG-CLIMATE, WG-IADWS, and TF-IBWT as well as national committees having inland basins or similar experience such as China, Russia, Canada, Germany and USA to become the member of the ST. Members also felt that besides LCBC, FAO/ IPTRID, ARID-RAID and the World Bank, other donor agencies like CIDA may be requested to nominate their representative as Permanent Observer.

Accordingly, the Central Office has requested all the Chairmen of the above workbodies, national committees to nominate a member and to the said international organizations to nominate a permanent observer on the ST. In response, IPTRID has nominated Mr. Dominique Durlin, Technical Officer as Permanent Observer. Mr. Durlin has had specific experience as an Advisor to the Minister of Water and Environment, Chad. Response from others is awaited.

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

Lake Chad basin comprises eight countries, namely, Algeria, Cameroon, Central African Republic, Chad, Libya, Niger, Nigeria, and Sudan. Of these, presently, only Nigeria is an active member of ICID, while national committees of Algeria, Libya, and Sudan have become inactive for more than four years. Chad and Niger were admitted for membership in 2003 but yet to pay their first subscription. Cameroon had shown interest to join ICID but there has been no further development.

At Kuala Lumpur, it was proposed that in order to carry out the team's activities effectively, it would be necessary that all countries of the basin become members of ICID by forming broad based national committees. Central Office has written to national committees of Algeria, Libya, Sudan to reactivate their membership, and to national committees of Chad and Niger to become active by paying their first annual subscription. The ST has urged Nigerian National Committee (NINCID) to assist by providing leadership in reactivating/ establishing national committees in the Chad basin countries.

Chairman and /or a representative of NINCID may like to brief the developments in this regard.

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

At Kuala Lumpur, the work team observed that the efforts of World Wide Fund for Nature (WWF) to promote integrated basin management, through planning at the basin scale, in collaboration with several regional and global partners was of interest to members. During the meeting, Executive Secretary of LCBC reported that the Global Environmental Facility (GEF) was working to reverse natural resources degradation, improve the basin management and sustainable use of the Lake Chad through a project entitled 'Reversal of Land and Water Degradation Trends in the Lake Chad Basin Ecosystem'.

During the meeting, the Chairman observed the importance of the international development partners' work in the Basin, but lamented the inadequate attention given to the issue of climatic change in most of the researches and project works undertaken or that are being undertaken. The ST felt that these issues were being addressed superficially and a lot need to be done in that direction.

Following documents may be of interest to members and can be viewed at < [www.afrwg.icidonline.org](http://www.afrwg.icidonline.org)>

- Facts and figures about Lake Chad basin,
- Knowledge innovation systems and technology diffusion strategies for ecosystems management in Africa – case study: Lake Chad Basin Commission.

Member/ Permanent observers may like to share information on some new initiatives/ research work being carried out by international organizations in the basin.

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

##### **4.1 ICID workbodies**

At Kuala Lumpur meeting, the Chairman invited volunteers from among participants to serve as liaison persons of the ST. Following professionals had volunteered to coordinate with other workbodies:

1. WG- CLIMATE: Engr. I.K. Musa
2. ST- ARAL: Engr. M.S. Adamu
3. WG- ILWRM (since wound up): Engr. Abdullahi Sanusi Imran
4. WG- IADWS ( to be concluded at Sacramento): Engr. Wakil Bukar, and
5. TF- IBWT: Mr. Boubakari Mana

The concerned members/ professionals will present their liaison report of their respective workbody/ Task Force.

##### **4.2 International Organizations**

During the 1<sup>st</sup> meeting of the ST, it was reported that LCBC has been seeking expert assistance of TF-IBWT in addition to the AFRWG to provide peer review of the work of the consultants on Oubagui Basin to Lake Chad Basin Water Transfer. The ST supported the call and suggested formation of peer review teams with representation from TF-IBWT, AFRWG, ICOLD and other technical workbodies to provide the needed technical expertise to LCBC.

A regional workshop on 'Developing guidelines for inter-basin water transfers for policy makers in Africa' was held at Accra, Ghana on 25 –29 September 2006. A report of the workshop can be accessed at <http://www.uneca.org/awich/IBWT%20Accra/documents.htm>.

An international workshop on 'The Lake Chad basin: Current Challenges and Future Prospects' was held at Abuja, Nigeria on 27-28 October 2006. The President, Regional Parliamentary Committee of Lake Chad Basin, Abuja had invited Secretary General to participate in the Workshop. Secretary General, in turn requested Engr. I K Musa, Vice President Hon. to participate in the event and provide ICID perspectives.

Engr. Musa may like to brief the outcome/ recommendations of the workshop.

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

A draft four year work plan (2006 to 2009) showing year-wise activities of the team in the light of the TOR and mandate was discussed, firmed-up and adopted at the 1<sup>st</sup> meeting. The ST was wondering if some of these activities could be reflected in the programme of the 2<sup>nd</sup> African Regional Conference scheduled to be held in South Africa on 6–9 November 2007. The Chairman was to examine the possibility of inclusion of some appropriate activities during the event. A draft final version of the work plan is shown as **Annex**. The ST will discuss on the status/ progress in implementations of the work plan.

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**Item 6 : Webpage of the Special Work Team**

As proposed at the Kuala Lumpur meeting, the Central Office has provided a section on the webpage of the AFRWG <[www.afrwg.icidonline.org](http://www.afrwg.icidonline.org)> where information related to ST-LCB is posted. Subsequently, a separate webpage would be developed in due course. Members are requested to communicate with the Chairman/ Central Office to provide some interesting/ informative documents/ articles for their possible linkage and posting on the webpage.

**Item 7 : Any other business**

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**WORK PLAN**  
**THE SPECIAL WORK TEAM ON LAKE CHAD BASIN (ST-LCB)**

| ST-LCB WORKPLAN   |  |      |      |      |      |
|---|--|------|------|------|------|
| Output  | Activities   | 2006 | 2007 | 2008 | 2009 |
| ICID National Committees established and functioning in Niger, Chad, Cameroon, RCA, Libya, Algeria and Sudan  | Get Niger, Chad, Algeria and Sudan to reactivate their membership and attend the 2 <sup>nd</sup> ARC in South Africa in 2007   |      |      |      |      |
|   | Identify and initiate contacts with a key professionals with interest in LCB in each Member State  |      |      |      |      |
|   | Using the contacts, initiate LC Regional Association of ID, Initiate development of constitution   |      |      |      |      |
|   | Using the contacts initiate the development of a constitution for each Member State National Committee   |      |      |      |      |
|   | Hold a national workshop/meeting in each of the Member States to support membership drive  |      |      |      |      |
|   | Member States National Committees attend the 60 <sup>th</sup> ICID conference and the 3 <sup>rd</sup> AFRC in Abuja  |      |      |      |      |
| ST-LCB Website to disseminate information on Lake Chad Basin and the activities of the Special Work Team established  | Patch ST-LCB website to AFRWG website  |      |      |      |      |
|   | Create a website for the ST-LCB  |      |      |      |      |
|   | Update the Website for the ST-LCB  |      |      |      |      |
| National and regional workshops on scientific and technical issues on Lake Chad Basin in member countries held  | Hold an ICID Special Session in Maiduguri with a suitable theme that will highlight management options for saving the Lake Chad  |      |      |      |      |
|   | Publish the proceedings of the ICID Special Session  |      |      |      |      |
|   | Hold a workshop on the IBST in Ghana in collaboration and support of ECA, UNCA   |      |      |      |      |
|   | Hold an ICID Special Session on the Oubangui-Lake Chad Water Transfer during the 3 <sup>rd</sup> AFRC in Abuja on the Oubangui Lake Chad water transfer in collaboration with NINCID and TF-IBWT |      |      |      |      |
| Information on ST-LCB made available to other international organizations for synchronization of activities that relate to the Lake Chad Basin and partnerships with donors established | Initiate contact with IPTRID, CIDA and other Donors and Partners for partnership with ST-LCB   |      |      |      |      |
|   | Initiate contact and share information with ST-ARAL ,TF-IBWT, WG-IADWS and WG-CLIMATE with a view to developing common activities in Work plan   |      |      |      |      |
|   | Initiate contact with International organizations for sponsorship of work plan activities  |      |      |      |      |

**AGENDA FOR 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 :** (1) Vice President Hon. Victor A. Dukhovny, Chairman, 2005 (Uzbekistan, 1994); (2) Mr. John Osterberg (USA, 1996); (3) Prof. N. Hatcho (Japan, 2002); (4) Eng. M.S. Adamu (Nigeria, 2002); (5) Acad. Boris Kizyaev (Russia, 2002); (6) Mr. Ron W. Coley (Canada, 2003); (7) Mr. M. Falciai (Italy, 2004); (8) Mr. Bernard Vincent (France, 2005); and (9) Er. M. Gopalakrishnan, Secretary General, ICID.

**Permanent Observers :** (i) Prof. Daene C. McKinney (IWRA); (ii) Dr. Carlos Garces-Restrepo (IPTRID); (iii) World Bank Representative.

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

No, Comments received. Minutes may be taken up for confirmation.

**Item 2 : Tenure of the Working Group/Work Team**

The Chairman, ST-ARAL took the item for deliberations in the 13<sup>th</sup> meeting and highlighted the following progress achieved by the ST-ARAL in:

- Establishing membership drive among ICID National Committees of Aral Sea Basin and receipt of application from Azerbaijan
- Acquiring publicity in information network developed based on the three years activity of CAREWIB project, supported by SDC
- Educational activities organized by the Training Center ICWC with the support of CIDA and McGill University
- Acceptance of IWRM and its voluminous implementations in Aral Sea Regions
- Accomplishment of works related to IWRM and request for its wider disseminations and
- Establishment of broad based cooperation with different International and Donor Organizations.

The Chair mentioned that the Work Team has already outlived its stipulated tenure of 6 years and there is a need to wind up its pending activities during the next 3 years of 2007, 2008 or 2009. Considering the in-completed tasks within ST-ARAL, such as taking up of Country Policy Support Program (CPSP), transfer of Siberian rivers flow to Central Asia, and implementation of drainage program with the help of IPTRID and the need for involvement of ICID in the overall development of Aral Sea Regions, he proposed to extend the tenure of the Special Work Team and initiated a motion for further deliberations on the issue.

On deliberations, the following options were emerged:

- Continue the work of ST-ARAL with new mandate and action plan for completion of each pending tasks
- Transfer the pending tasks to a newly created Working Group either on "Irrigation, Drainage and Environment for Economy Transfer" or on "Water Resources Management in Degraded Basins" and
- Merge it with Work Team on Lake Chad to have a closer coordination with other similar river basins including Jordan Basin, some basins of USA, Lake Victoria, Murray-Darling Basin etc.

The participants requested the Chairman to prepare an objective proposal for circulating amongst the concerned National Committees to have their viewpoints and suggestions so as to prepare a final proposal. The meeting

unanimously agreed to use the next 3-4 months time for developing such a concrete proposal for placing in front of the Management Board of ICID.

Accordingly, the Central Office (CO) requested the Chairman to prepare an objective proposal for circulation. The response is awaited from the Chair.

The ST may like to take up further.

**Item 3 : To review the membership of the Work Team**

**Item 3.1 : Work Team Membership**

Mr. M. Falciai (Italy) was neither present in the 13<sup>th</sup> meeting nor contributed during the last three consecutive years (2004, 2005 and 2006). It was decided in the 13<sup>th</sup> meeting that the matter would be taken up with the National Committee of Italy, based on the ICID By-law 3.1.7.

The CO took up the matter with the ITAL-ICID and requested to consider (e-mail 22 December 2006 and 14 April 2007) for nominating a new member. Response required is awaited.

Attendance of the members at the meetings of the WT in 2005 and 2006 will be presented at Sacramento. Members who were neither present nor could contribute through correspondence for the last two consecutive years are:

- Mr. Geoff Pearce, Secretary (UK)
- Mr. John Osterberg (USA)
- Acad. Boris Kizyaev (Russia)
- Mr. Ron W. Coley (Canada)
- Mr. M. Falciai (Italy).

**Item 3.2 : Country Membership**

The following points were noted under this item during the 13<sup>th</sup> meeting:

- Uzbekistan's application for membership of ICID was accepted at Varna (1994) and is active till today
- Kazakhstan and Tajikistan became members of ICID at Oxford (1997)
- Turkmenistan was accepted as a member in Bali (1998) but the initial payment of subscription amount is still awaited from Turkmenistan
- Kyrgyzstan became a member at Granada (1999) and is an active member till date
- Tajikistan has made the initial payment and remained active upto 31 December 2002 and since then it is an inactive National Committee of ICID
- Kazakhstan has activated its membership in ICID with effect from July, 2006 by paying their subscription amount in December 2006 and
- Azerbaijan with the initiative of Vice-President V. Dukhovny admitted to join the ICID family (*payment of subscription amount to effect the membership is still awaited*).

The Central Office of ICID in coordination with the Chairman, ST-ARAL pursued the matter with the National Committees of Turkmenistan, Tajikistan and Azerbaijan to include them in the Active Members of ICID Network.

**A. CONTINUING ITEMS**

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

In the meeting, ST-ARAL expressed its gratitude to IPTRID and to all other donors of the ASB for providing financial and technical assistance for making progress in Aral Sea Basin.

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Prof. Dukhovny requested the IPTRID to publish a bilingual report (in Russian and English) after incorporating two more principal projects proposed by the Local Authority to have a wider dissemination amongst large stakeholders of the region. By considering the fact, the Chairman, ST-ARAL sent a cost estimate to Dr. Carlos for taking up the translation and publication of the IPTRID report with the help of FAO or through other donors.

In the 13<sup>th</sup> meeting Dr. Carlos mentioned that the FAO contracted SIC-ICWC for translation and publishing the report and would be disseminated amongst the various interested parties in October 2006.

The Chairman, ST-ARAL while concluding the item, stressed the need to promote the work related to drainage investigations, drainage design and drainage investments in the Aral Sea Basin and made requests to IPTRID and other donors for extending the supports in future also.

In response to an enquiry from CO, Dr. Carlos, IPTRID Programme Manager has intimated that the English version of the report on Aral Sea Basin (ASB) distributed widely amongst the key actors and stakeholders of the region based on the IPTRID mailing list. IPTRID and SIC-ICWC with the help of Chairman, ST-ARAL, reached an agreement to translate the report into Russian. The report in Russian language has also been widely distributed amongst the key stakeholders based on the SIC-ICWC mailing list.

IPTRID mentioned its views on further support to ASB activities that no further funding through IPTRID has been possible and for the moment, IPTRID does not foresee any further action on this particular topic and assured that if funding conditions change, the IPTRID would once again continue its involvement in the region.

ST-ARAL may like to deliberate on the issue.

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

In the 13<sup>th</sup> meeting, significant progress, which had been achieved in developing the National Committees in the region of Aral Sea Basin had been brought out and mentioned that all National Committees in the region confirmed their Content and Constitution. One of the problems that still remains with the National Committees is that of limitation in financial sustainability.

Azerbaijan, Tajikistan and Turkmenistan are still inactive members of ICID family. As a follow up action, the CO, ICID sent letters to Tajikistan, Azerbaijan, and Turkmenistan. Responses are still awaited.

**Item 6 : To review work plan**

In the 13<sup>th</sup> meeting it was decided to prepare a new plan for the next three years i.e. 2007, 2008 and 2009 based upon the decision regarding future existence of ST-ARAL and constitution of a new Workbody etc.

For details refer Item 2.

**Item 7 : Capacity Building Programs**

The following points were brought out in the 13<sup>th</sup> meeting:

- “Central Asian Regional Water Information Base” (CAREWIB) Project is being implemented with the financial assistance of the Swiss Agency for Development and Cooperation (SDC) and will strengthen the present organizational infrastructure as well as large-scale involvements of stakeholders and world audience in the Aral Sea problems
  - The first stage of the project is completed successfully and awaits the announcement of second stage with the support of SDC and will help to spread the major task of methodological approach of CAREWIB to national network formation with proper information on qualitative and quantitative availability of water, land and environmental characteristics and
  - Asian Development Bank Technical Assistance for Improved Management of Shared Water Resources in Central Asia coordinated by SIC-ICWC, initiated preparations of Agreements on the transboundary aspects for Amudarya and Syrdarya rivers, and financial issues for collaboration.
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The Chairman further intimated that ST-ARAL together with former Chairman of ST-ARAL Prof. Chandra Madramootoo and President Hon. Aly Shady would continue with the attempt for achieving assistance in the Capacity Building Programme and mentioned that IHE-UNESCO is also taking interest for developing network of training branches in the region.

**(i) System Issues (Drainage)**

In the 13<sup>th</sup> meeting the Chairman Special Team mentioned that the ST should continue its efforts in coordinating Brace Center of McGill University (Canada), SIC-ICWC, CIDA and EU for bringing developments in different zones of Central Asia.

**(ii) Environmental and Socio-economic Assessments**

Chairman, in the 13<sup>th</sup> meeting, mentioned about:

- Completion of the first stage of the project on “Delta Syrdarya improvement” financed by the Government of Kazakhstan and The World Bank
- Preparation of a feasibility study on the second stage of the project
- Promotion of the works for South Priaralie carried out by the Government of Uzbekistan and
- Completion of the report on socio-economic and environmental consequences of Aral Sea disaster by SIC CWC and its introduction as a publication in the next meeting.

The Chairman also brought to the notice of the members that the action required for the Country Policy Support Program (CPSP) of ICID was still awaited from the side of Central Office of ICID.

The ST-ARAL may like to consider.

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

During the 13<sup>th</sup> meeting, members were reminded of the work carried out in coordination with Dr. Bos to identify the priorities for developments of the regional vision for water, such as:

- (i) Copy of proposal on initiative to evaluate salinity distribution in the Aral Sea Basin (Dr. Bos)
- (ii) Copy of proposal to evaluate actual evapo-transpiration over the next year (Dr. Bos)
- (iii) Satellite imagery of Aral Sea Basin to help prioritize on drainage needs (Dr. Bos and Mr. Denecke).

In the meeting, the progress made on the above-mentioned points was not projected because of the absence of both the experts.

The members suggested for considering the work further in the next meeting of the ST-ARAL, for taking adequate winding up measures.

**Item 9 : Exchange of information and experience with China**

As Dr. Bos quit from the ST-ARAL, new negotiations with Vice President Dr. Gao Zhanyi (China) have been initiated by the Chairman, ST-ARAL for availing further feedbacks and achieving progress in the item.

Chairman may provide the details regarding progress achieved.

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

While deliberating the various issues Prof. Dukhovny informed that the region should concentrate its attention in the next 20-25 years on the efficient use of its own water and increases its productivity. The work on design and project on transfer of water has sound viability for tackling the problems of Siberia from excess water and Aral Sea Basin from water scarcity by mid 21<sup>st</sup> century. But real needs of Central Asia will depend on many factors such as characteristic of the region in terms of self-sufficiency in food and development of irrigation, global prices on agricultural production, political and social situation in the region and in the neighboring states. New option for

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future situation with the consideration of future socio-economical situation in Central Asia was done by SIC-ICWC and IWRM with the adoption of Podium model to Uzbekistan region that supported the view of Prof. Dukhovny.

The Chairman, ST-ARAL also brought to the notice of the members regarding new political movement in the sphere of Euro Asian Economic Council, which helped to generate new interest in the future of Siberian river flow transfer to the region of Central Asia. The Russian Government and National Committee of ICID are in the process of working out modalities for framing plans on the subject by considering socio-economic, ecological and technical feasibilities of the region.

The Special Team may like to consider the new trend of the region in water and other natural resources trading and its impacts in water transfer from Siberia to Central Asia.

**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 progress was able to achieve on the item during the intervening period of 12<sup>th</sup> and 13<sup>th</sup> meeting of the ST-ARAL respectively held at Beijing and Kuala Lumpur, because of not getting adequate support for the ToR prepared by ICWC and former EC IFAS (Mr. Altyev T.A.).

Further actions required for finalization of the ToR will be considered in the forthcoming meeting of ST-ARAL to be held in Sacramento in 2007.

**Item 12 : Any other business**

In the 12<sup>th</sup> meeting, Prof. V. Dukhovny stressed the need for including more work on socio-economic aspects on how to reduce poverty and improve livelihoods through implementation of improved water management practices in the Aral Sea Basin.

Vice President Mark Svendsen, Chairman, WG-CLIMATE made a request (e-mail dated 3 November 2006) to all Workbody Chairs for indicating the three most important points, where the Global Climate Change (GCC) may impact the issues, which the Workbody addresses. Accordingly, VPH Dukhovny, Chairman, ST-ARAL indicated the following three issues to the Chairman, WG-CLIMATE:

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

In response to this, Chairman, WG-CLIMATE mentioned that the issues relating to the topics of GCC received from various Workbodies of ICID would be consolidated into a note and placed before the WG-CLIMATE meeting scheduled to be held in October 2007 in Sacramento for consideration.

The ST-ARAL may like to take up the matter further.

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**AGENDA FOR 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 :** (1) Engr. I.K. Musa, Chairman (Nigeria, 1996); (2) Dr. H. Fahmy, Vice Chairman (Egypt, 1996); (3) Mr. M.S. Bala, Secretary (Nigeria, 2002); (4) Ms. Raphaele Ducrot (France, 1999); (5) Dr. Sizwe Mkhize (South Africa, 2001); (6) Mr. Makonnen Loulsegged (Ethiopia, 2002); (7) Morocco representative; (8) Secretary General, ICID.

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

**Item 1 : Confirmation of the minutes of the 17<sup>th</sup> meeting held at Kuala Lumpur, Malaysia**

The minutes of the 17<sup>th</sup> meeting of the Working Group held at Kuala Lumpur in September 2006 will be confirmed.

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

**2.1 Chairmanship/ Membership of the Working Group**

At the 17<sup>th</sup> meeting of the group, Engr. I K Musa announced to step down from the Chairmanship of the AFRWG at the Sacramento meeting. He has requested the members to volunteer for the Chairmanship of the AFRWG. In response, following nominations were received from their respective national committees for the Chairmanship of the group:

- Dr. H. Fahmy (Egypt)
- Mr. Makonnen Loulsegged (Ethiopia)
- Dr. Sizwe Mkhize (South Africa)

Group will choose / nominate a new Chairman from amongst the above or other members attending the meeting.

**(a) Permanent Observership of RAID and SARIA**

During the past meetings there was a suggestion to offer a Permanent Observership status to regional associations - eg. Regional Association on Irrigation and Drainage in West and Central Africa (RAID-ARID) and Southern African Regional Irrigation Association (SARIA) which have been participating actively in the activities of the AFRWG. The suggestion was supported by the PCTA and President Lee. Subsequently, the 57<sup>th</sup> IEC meeting held at Kuala Lumpur accepted the proposal of PCTA and approved the Permanent Observer status to both ARID and SARIA. The Central Office has informed the decision to both ARID and SARIA and invited them to attend the WG meeting and other events at Sacramento. Responses are awaited.

Representatives of ARID/ SARIA will provide the updates.

**(b) Block membership**

In view of the poor membership status of African countries on the AFRWG, the Chairman had suggested to explore the possibility of allowing for block membership. At the 57<sup>th</sup> IEC meeting, it was observed that presently, there was no enabling provision in ICID by-laws or Constitution for the block membership. A team comprising members from AFRWG, PCSPOA and PFC under the Chairmanship of PCSPOA was therefore constituted to recommend to IEC on the block membership matter. Meanwhile, the on-going internal review of PCSPOA may be able to address the issue connected with block membership.

Chairman may like to provide further updates on the matter.

Attendance of members at 2005 and 2006 meetings will be presented at Sacramento.

## **2.2 ICID Membership of African countries**

At Kuala Lumpur meeting, the group noted that out of 53 countries in Africa, only 7 countries are active members of ICID, while 15 countries have been deemed inactive and 5 countries were admitted but are yet to pay their first subscription.

Swaziland, Mauritania, Ivory Coast and Cameroon had indicated interest in joining ICID/ reactivating national committee, but there has been no further development. The Kenyan National Committee (KENCID), which became inactive in January 2003, had indicated their desire to reactivate their membership but has requested 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. Accordingly, the Central Office in May 2007 has informed KENCID that their proposal to write-off is being included in the agenda of the PFC/ PCSPOA meetings scheduled to be held at Sacramento, for consideration. In the meanwhile, the Central Office has suggested KENCID to initiate steps to reactivate by paying the current year's subscription until the issue of the arrears is solved. Response is awaited.

## **A. CONTINUING ITEMS**

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

#### **3.1 2<sup>nd</sup> African Regional Conference, November 2007**

2<sup>nd</sup> African Regional Conference will be held from 6 to 9 November 2007 at Johannesburg, South Africa. The conference is organized by the South African National Committee (SANCID) together with the Southern African Regional Irrigation Association (SARIA), the Department of Agriculture and the Water Research Commission. The conference theme is "*Contribution of rainfed and 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 21<sup>st</sup> century. The deadline for submission of abstract(s) was kept as 30 April 2007. 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](http://www.sancid.org.za). All members are encouraged to actively participate in the conference.

Engr. I K Musa has offered to host the 3<sup>rd</sup> African Regional Conference on the occasion of the 60<sup>th</sup> IEC meeting scheduled to be held at Abuja, Nigeria in 2009.

Representative of SANCID and the Chairman will apprise further details about the 2<sup>nd</sup> and 3<sup>rd</sup> regional conferences.

#### **3.2 Three-year work plan of the group**

At Kuala Lumpur, the group deferred the presentation of the revised three-year work plan to Sacramento meeting in order to include the inputs from ARID and SARIA. The Chairman had requested ARID and SARIA representatives to provide their plans to him so as to circulate a draft three year work plan of the group among members for any input well in advance of the meeting.

The Chairman will present the revised/ updated work plan of the group.

### **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 deferred to Sacramento meeting due to very few members present at the Kuala Lumpur meeting.

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Chairman may like to assign the task of liaison with other ICID workbody, to members attending the meeting; members may also volunteer to act as a liaison person of a workbody of their choice.

## **4.2 Cooperation with International Organizations**

The following is a brief of international events/ publications which are of interest to the group:

### **(i) *Regional Workshop on “Integrated Water Resources Management” (IWRM), Libya, 2007***

The African Development Bank (AfDB), jointly with UNEP through its collaborating Centre on Water and Environment (UCC-Water), and the Global Water Partnership – Mediterranean (GWP-Med) organized a regional workshop on 11-12 April 2007 in Tripoli, Libya. The title of the workshop was “Integrated Water Resources Management (IWRM) in Libya – Current Status and the Way Forward Demonstrated by National, Regional and International Experiences.” For workshop summary and recommendations, please access [www.africanwaterfacility.org](http://www.africanwaterfacility.org)

### **(ii) *Expert meeting at Ouagadougou, Burkina Faso, March 2007***

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. The meeting was convened by five development partners – AfDB, FAO, IFAD, IWMI and World Bank – at 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. Outcome of the expert meeting is available at <http://www.arid-afrique.org/article>

### **(iii) *Conference of Nile Basin Research Programme, February 2007***

Central Office had received a communication from the Programme Coordinator, Nile Basin Research Programme (NBRP), Norway in February 2007. The programme was associated with the Applied Training Programme (ATP) under Nile Basin Initiative's (NBI) Shared Vision Programme. The coordinators had also informed about the vacancy of Guest Researchers from the Nile Basin region. The Central Office has circulated the communication in December 2006 among the concerned NCs. In response, Dr. M.H. Amer, Chair, ENCID has indicated his willingness to participate in the Conference.

VPH Dr.Amer/ representative of ENCID may like to provide the updates.

### **(iv) *UN Advisory Board Africa's Water Stakeholders Dialogue***

The African Development Bank (AfDB) hosted the 'First Dialogue' between the United Nations Secretary General's Advisory Board on Water and Sanitation (UNSGAB) and African Stakeholders at Tunis on 14<sup>th</sup> of December 2006. The objective of the Dialogue was to formulate a framework of collaboration between the UNSGAB and African key organizations in support of the ongoing African water initiatives and programmes. The main outcome of the Dialogue is the design of specific joint actions by UNSGAB and African key institutions to achieve a breakthrough toward achieving the Millennium Development Goals (MDGs) on water and sanitation in Africa. The outcome of the dialogue can be viewed at [www.africawaterfacility.org](http://www.africawaterfacility.org)

### **(v) *SANCID Symposium, November 2006***

The 2<sup>nd</sup> 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. The Central Office had given wide publicity to the event through News Update/ News Letter.

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**(vi) Improving performance of irrigated schemes in Africa**

The objective of the project is to achieve performance improvement of irrigated schemes in Africa in terms of competitiveness, attractiveness for farmers and sustainability. Details are available at <http://www.arid-afrique.org/english/>

**(vii) Special report on declining of water levels of Lake Victoria**

The report is prepared by Lake Victoria Basin Commission, East African Community Secretariat, Arusha, Tanzania and can be accessed at [http://www.eac.int/lvdp/lake\\_victoria\\_waterlevels\\_apr\\_06.pdf](http://www.eac.int/lvdp/lake_victoria_waterlevels_apr_06.pdf).

All members are encouraged to visit the website/ download the documents and offer their comments/ observations to the Chairman.

**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 has once again requested all members and non-members to contribute to the newsletter and send some interesting related articles, notes, outcome of events etc.

Engr. Musa may like to apprise the status in preparation of the newsletter at the meeting.

**Item 6 : Webpage of the AFRWG**

The group's webpage <http://www.afrwg.icidonline.org/> is active. As proposed at the last meeting of the group, Central Office has added a section on the webpage to post information on Africa's River Basins including the Lake Chad Basin, and links of group's interest. Members are encouraged to visit the webpage and are also requested to 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**

Dr.Mkhize has volunteered to prepare a 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. Chairman Engr. Musa has requested Mr.Sonou of ARID to administer the preparation of the questionnaire.

In the meanwhile, the Chairman was in the process of conducting 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'.

Dr.Mkhize, Mr.Sonou, and Engr. Musa will brief the feedback received through the questionnaire from LDCs and further line of action.

**Item 8 : Any other business**

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AGENDA FOR 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:** (1) Dr. Shigetaka Taniyama, Chairman (Japan); (2) Dr. Huh Yoo-Man, Vice President (South Korea); (3) Dr. Hector M. Malano (Australia); (4) Dr. Saeed Nairizi, Vice President Hon. (Iran); and (5) Prof. Cai Lingen (China); (6) Ir. Azhari bin Ghazalli Vice President (Malaysia); (7) Mr. S. Seyama, Secretary(Japan).

**Observer:** (i) Mr. Peter Lee, President, ICID (UK); (ii) Dr. Karim Shiati, Vice President (Iran); (iii) Engr. I.K. Musa, Vice President Hon. (Nigeria).

**Item 1 : Review of the Progress since the 3<sup>rd</sup> Meeting in Kuala Lumpur, Malaysia, held on 10 September 2006**

Task Force for Least Developed Countries in Asia (TF-LDCsAS) carried out a questionnaire survey on “Development with Partnership - Avenues for Cooperation” in 2004 to 2005 concentrating mainly on the state of irrigation in LDCsAS. The TF-LDCsAS thereby realized one common feature of irrigation infrastructure in LDCsAS and was the dominance of small or minor schemes. The choice of the main theme for the 1<sup>st</sup> Special Session was based on the recognition emerged from the Questionnaire Survey.

**Item 1.1 : Organization of the 1<sup>st</sup> Special Session of the Task Force**

The first Special Session (SS) was conducted at KL on 10 September 2006 based on the following main theme and exemplary areas:

**Main theme**

- Planning, implementation, and management of small or tertiary distribution schemes in LDCs and other countries in Asia.

**Exemplary areas**

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

Four (4) papers submitted were accepted for the 1<sup>st</sup> Special Session:

- Hideyuki Kanamori, Japan International Cooperation Agency (JICA), “Introduction of Practical Technologies for Minor Irrigation Schemes”.

- MD. Nurul Islam and Q.R. Islam, Bangladesh, “Local Stakeholders Participation for Small Scale Water Resources Management in Bangladesh: A Case Study”.
- S. Taniyama, Japan, “The Importance of Small-Scale Irrigation and Participatory Irrigation Management”.
- Makonnen Loulseged, Ethiopia, “Constraints of Small Scale Irrigation Management and Research in Ethiopia”.

Three papers out of the four papers accepted were presented, since the Ethiopian author was unable to attend in the 1<sup>st</sup> SS.

#### **Item 1.2 : Organization of the 2<sup>nd</sup> Special Session of of the Task Force**

The main theme and exemplary areas selected for the 2<sup>nd</sup> SS during the time of 3<sup>rd</sup> meeting of the TF based upon the presentations/deliberations taken place at KL, Malaysia on 10 September 2006 were:

##### **Main Theme**

- Affordable technology for the development and management of irrigation, drainage and flood control schemes in LDCs and other countries in Asia.

##### **Exemplary areas:**

- Water resources development, sharing and management, including ways to improve the efficiency and equity of water delivery by equipping large systems with secondary “in-system” storage facilities that serve as regulating/buffer ponds to settle the temporal and volumetric gaps between the water supply from the head works and the water demands of the farmers.
- Participatory irrigation management and the roles of governments.
- Capacity building / technology transfer and ICID.

Following five presentations were submitted and accepted for the 2<sup>nd</sup> Special Session :

- “Irrigation Improvement Management through Farmers Participation” by Dr. Saeed Nairizi (Iran).
- “The Government’s Role in Making Participatory Irrigation Management Successful” by Prof. Dr. Masayoshi Satoh (Japan).
- “Improvement of Participatory Approach for Irrigation Development in LDCs” by Mr. Yuji Sakamoto (Japan).
- “Affordable Technologies for Rain Water Conservation and Harvesting in Rainfed Agro Eco-System” by Mr. S.M. Taley (India).
- “Effectiveness of Small Reservoirs in or Near Irrigated Areas in Large Irrigation System” by Prof. Dr. Riota Nakamura.

The 2<sup>nd</sup> SS of the TF-LDCsAS was held on 3 May 2007, on the occasion of the 4<sup>th</sup> Asian Regional Conference in Teheran, Iran.

In the 2<sup>nd</sup> SS, Dr. Nairizi, Iran, Vice President Hon. presented “Irrigation improvement management through farmers participation”, and Prof. Dr. M Satoh, Japan and Ms. Tassanee, Thailand presented “The government role in making participatory irrigation management successful”.

#### **Item 1.3 : Fourth Meeting of the TF-LDCsAS held at Tehran, Iran**

As per the decision of the 3<sup>rd</sup> meeting of the TFLDCsAS held at KL on 10 September 2006, the 4<sup>th</sup> meeting of the TF-LDCsAS of one hour duration was also held in Iran on 3 May 2007.

In the 4<sup>th</sup> meeting the first draft of the summary report of TF-LDCsAS was presented by the Chairman Dr. S. Taniyama (Japan), and discussed by participants, which included Mr. Peter Lee, President, ICID (UK), Dr. Karim Shiati, Vice President (Iran), Ir. Azhari bin Ghazalli Vice President (Malaysia), Dr. Huh Yoo-Man, Vice President (South Korea), Dr. Saeed Nairizi, Vice President Hon. (Iran) and Engr. I.K. Musa, Vice President Hon. (Nigeria).

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The discussions touched upon the priority issues of irrigation in LDCs and proposed actions that ICID should take for helping LDCs with their problems.

**Item 2 : Tasks Ahead**

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

The Task Force in its 4<sup>th</sup> meeting agreed that the TF would meet again on the occasion of the 58<sup>th</sup> IEC meeting to be held in September-October 2007 in USA and discuss the revised summary report. The revision would be made building on the comments received in the 2<sup>nd</sup> SS in Tehran and further comments to be received from the members of TF and VPH Musa, Chairman of TF-LDCs in Africa.

**Item 2.2 : Publication of documents of TF-LDCsAS**

Publication of the proceedings of the 1<sup>st</sup> and 2<sup>nd</sup> Special Sessions and the Task Force Report is in the action lists.

In the Sacramento meeting, the TF-LDCsAS may like to deliberate the matter regarding publications of the above mentioned documents alongwith proposed number of copies, targeted dates of publications and possibilities of availing external funds through various National Committees of ICID, if any.

**Item 3 : Winding-up of TF-LDCsAS**

The summary report is the output of TF-LDCsAS and it includes proposed actions that ICID should take for helping LDCs with their problems. In view of the finalization and impending submission of the summary report to the ICID higher authorities, the TF-LDCsAS would like to consider the winding-up of the task force.

**Item 4 : Any other business**

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**AGENDA 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**

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

**Item 1 : Membership of the Task Force**

At Kuala Lumpur, the TF proposed to invite nominations from the national committees of Africa for the membership. Accordingly, in May 2007 the Central Office has requested nominations for the membership from the National Committees of Ethiopia, Mali, and Zambia. In response, the Ethiopian National Committee (ETCID) has proposed the nomination of Mr. Makonnen Loulseged. Mr. Makonnen is the Chairman of the ETCID. The TF may like to consider his nomination. Mr. Makonnen has expressed his deep concern about his inability to attend the meeting(s) due to financial constraints and has requested the TF (and also the AFRWG) to give serious thought on the matter.

Attendance of members at 2005 and 2006 meetings will be presented at Sacramento.

**Item 2 : ICID membership of least developed countries in Africa**

At Kuala Lumpur, the TF discussed extensively on ways and means to reactivate the inactive LDCs and also to bring other LDCs under ICID fold. The TF recommended that the regional organizations like - Regional Association on Irrigation and Drainage in West & Central Africa (RAID-ARID), Southern African Regional Irrigation Association (SARIA), Forum for Agricultural Research in Africa (FARA) and River Basin Organisations (RBO) should be contacted by Central Office to identify focal person or National Director of Irrigation where such office exists in ICID non-member countries amongst the LDCs of Africa. It was suggested that to facilitate communication, FAO Regional Offices could be of assistance in identifying and circulating questionnaire and other relevant documents.

Accordingly, in May 2007 the Central Office has solicited the help of ARID and SARIA in getting the coordinates of the focal persons/ institutions to offer the permanent observership on the TF. Response is awaited.

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

The Chairman was in the process of conducting 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'. The sub-committee comprising Messers Sonou and Mkhize would distribute the questionnaire to most of the LDCs of Africa to receive their response well in advance of the Sacramento meeting. The synthesized outcome of the questionnaire and any other submission from AFRWG will be reviewed at Sacramento. Chairman has proposed to table a draft report of the TF to firm up in a special session to be organized on the sidelines of 2<sup>nd</sup> African Regional Conference scheduled to be held in November 2007 in South Africa. The draft report is proposed to be presented in a joint special session with LDCs-AS in Lahore, Pakistan at the time of 20<sup>th</sup> 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.

Chairman will further update the review process.

**Item 4 : To review collected data from questionnaires and build-up a knowledge base of LDCs-AF**

Chairman Engr. Musa presented a literature review of some useful knowledge base documents for assessing preliminary developmental needs/ priority issues of Africa LDCs as a discussion document. After extensive deliberation on various policy documents that identified developmental priority issues as well as the list of priority topics that emerged from one of the SARIA meetings, it was resolved as follows:

1. To use country profile of each of the LDCs as contained in FAO Aquastat, and supplement with ECOSOC/ UN Database etc,

2. Mr. Sonou and Dr Mkhize would use all available documents to prepare a questionnaire for circulation amongst members for any input before circulation to concerned countries through SARIA, ARID, FARA, RBO and Regional Economic Bodies,
3. The feedback received will be analyzed and presented for discussion at the next meeting of SARIA, and
4. The Chairman will present a preliminary outcome of the analysis of the filled-in questionnaires received from NCs/ members at the Sacramento meeting.

Chairman Engr. Musa has requested Mr.Sonou of ARID to administer the preparation of the questionnaire.

Messers Sonou and Mkhize will present the outcome of the feedback received from the questionnaire circulated among LDCs and regional organizations.

**Item 5 : Tenure of the Task Force**

At Kuala Lumpur, the meeting resolved to work hard to ensure speedy completion of the TF activities preferably by 2007 but not later than 20<sup>th</sup> ICID Congress to be held in Lahore, Pakistan in 2008. It was proposed that the final outcome/recommendations of the TF will be presented at the 60<sup>th</sup> IEC and 3<sup>rd</sup> African Regional Conference at a special workshop to be held in Abuja, Nigeria in 2009.

**Item 6 : Any other business**



### **3.2 New membership proposals for Working Groups**

The following nominations have been received for various Working Groups. Proposals will be considered by the respective Working Groups at the meetings and recommendations made by them will be communicated to PCTA for acceptance by PCTA/IEC.

#### **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)**

Mr. C.M. Pandit (India)  
Dr. Na, Jeong-Woo (Korea)

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

Dr. Han Zhenzhong (China)

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

Mr François Brelle (France) in place of Mr. François Onimus  
Dr. Ian Makin (Great Britain) in place of Dr. M. Burton  
Mr. Sezar Ercan (Turkey) in place of Mr. M. Gunduzalp Dikmeneoglu  
Dr. Illahi B. Shaikh (Pakistan)  
Dr. Ashwani Kumar (India)  
Ms. Marina Pintar (Slovenia)  
Prof. Filali B. Abdelwahab (Morocco)  
Mr. Thomas Mitchel (USA)

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

Dr. Yuanhua Li (China) in place of Kaipeng Jiang  
Mr. Shakibaev Ilan Isataevich (Kazakhstan)

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

Mr. Bernard Vincent (France) in place of Dr. Sami Bouarfa  
Mr. Anzelm Carl Albertovich (Kazakhstan)  
Dr. Gurbachan Singh (India) in place of Mr. S.K. Das/Mr. M.K. Sharma  
Mr. Ahmed M. Aziz (Iraq)

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

Mr. Temirbaev Bakhtiyar Kuralovich (Kazakhstan)

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

Dr. Gao Jing (China) in place of Dr. Cai Lingen  
Dr. Ruey-Chy Kao (Chinese Taipei)  
Dr. Moustafa Twfik Gaweesh (Egypt)

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

Mr. Ahmed M. Aziz (Iraq)  
Mr. C.K. Aggarwal (India) in place of Dr. P.S. Kelkar

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**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)**

Dr. Keith Weatherhead (Great Britain)  
Dr. Prof. Yuansheng Pei (China)  
Mr. Kim Russell (Australia)  
Ms. Nurgül Üzücek (Turkey)  
Dr. Rolu P. Encarnacion (Philippines)  
Dr. Krishna Kumar Kanikicharla (India)  
Ir. C.W.J. Roest (The Netherlands)  
Prof. Dr. Daniele De Wrachien (Italy)  
Dr. Andre Musy (Canada)  
Dr. Juan A. Rodriguez-Diaz (Spain)

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

Dr. Guo Huibin (China) in place of Dr. Cai Lingen

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

Dr. Jinzhong Yang (China) in place of Dr. Gao Zhanyi  
Mr. Bekbayev Ussen (Kazakhstan)  
Dr. Paramjit Singh Minhas (India) in place of Dr. N.K. Tyagi  
Mr. Maghmoom Muhammad Iqbal (Pakistan) in place of Mr. Ramzan Chaudhry

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

Mr. Tauipbaev Sultanbek Tauipbaevich (Kazakhstan)

**3.3 Websites of ICID Workbodies**

While most of the workbodies have already established their web pages (many of which remain to be regularly updated), the following workbodies are yet to set up their web pages.

- IPTRID Advisory Committee (AC-IPTRID)
- Committee on Public Relations and Publications (C-PR&P)
- Working Group on Environmental Impacts of Irrigation, Drainage and Flood Control Projects (WG-ENV)
- Special Work Team on Lake Chad Basin (ST-LCB)
- American Regional Working Group (AMRWG)
- Special Work Team on Aral Sea Basin (ST-ARAL)

**Item 4 : ICID Internal Review – Functioning of ICID Technical Workbodies****4.1 Review**

Vice President Hon. Malano presented the Committee's recommendations as summarized in the report *'Theme Leaders Recommendations — A Compilation from Review Committee Members'* given as Annex (page A-55) to the minutes of the PCTA meeting held in Kuala Lumpur in September 2006 which was later approved by IEC subject to reflecting the suggestion in the draft final version that the workbodies may conclude their activities in three years, wherever possible. The updated version of the Review Report is given in the **Annex**.

The Chairman will present further developments for discussion at the meeting.

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## 4.2 Suggestions for new workbodies

At Kuala Lumpur, the PCTA recommended and IEC approved the creation of the following workbodies subject to the preparation of their detailed work plans and objectives:

- (i) Financing Water for Irrigation, Drainage and Flood Management;
- (ii) Impact of Irrigation and Drainage on Livelihood and Poverty Alleviation; and
- (iii) Transbasin Water Projects.

It was also decided that formal proposals with mandate, workplan, etc. of these workbodies will be presented for consideration at the Sacramento meeting of PCTA. The proponents were accordingly requested to present their formal proposals giving the composition, detailed mandate, workplan, scope of work etc. at the PCTA meeting.

For the workbody on 'Financing Water for Irrigation, Drainage and Flood Management', President Lee vide his e-mail dated 27 June 2007 informed the Central Office that Ir. Paul van Hofwegen had agreed to be the Convenor. He also suggested that action may be initiated by providing for the workbody's first meeting in Sacramento where its membership, mandate, workplan etc. could be considered after inviting nominations from the National Committees for membership, if agreed by Chair, PCTA and the MB. The Chair, PCTA has given his concurrence and MB's consent has been sought. The National Committees have been invited to nominate professionals having expertise in the area of financing water for irrigation, drainage and flood management for membership of the workbody.

The proposed Working Group on Impact of Irrigation and Drainage on Livelihood and Poverty Alleviation will be launched by way of a half-day Workshop on the Role of Irrigation in Poverty Alleviation and Livelihoods scheduled on Thursday, 04 October 2007 from 14.00-17.00 hours where persons from ICID and from partner programmes and institutions like WB, ADB, CPWF, IFAD, FAO, INPIM, IDE, etc. are being invited to contribute through an oral presentation and summarizing their approach and vision on this issue and to suggest how an international NGO such as ICID could contribute. VPH Alain Vidal will apprise the Committee about the progress in the matter.

There is no further development with regard to the mandate, workplan etc. for creation of the third new WG on Transbasin Water Projects, which was proposed by PH Aly Shady at the last meeting of PCTA.

The Committee may consider next steps for constitution of these workbodies.

The WG-HIST will complete its current work at Sacramento and will propose a mandate for the new Working Group on History of Agricultural Water Management. At Kuala Lumpur, it was suggested that the mandate for this newly proposed WG will also include the lessons from History.

## 4.3 Reorganizing various workbodies under 4 Strategy Themes

Presently six workbodies have been put under the theme 'Knowledge', five workbodies under 'Basin', five workbodies under 'Systems' and three workbodies under 'On-Farm' theme. Out of the existing workbodies, two are getting merged, two will be closing their workplans and another two will be closing to re-emerge under different names. Additionally, three new workbodies as mentioned in 4.2 earlier, were suggested to be created at the Kuala Lumpur meeting of PCTA.

The Committee may reconsider re-classification of the workbodies under different themes for uniformity and objectivity.

### 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)*

#### Highlights

At Kuala Lumpur, it was reported that the Working Group on Research and Development had been combined with the IPTRID Advisory Committee. The newly merged Working Group will propose its new name and report its recommendation for approval at Sacramento.

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

#### **Highlights**

An award for the Best Paper (out of those published during 2006) will be announced during the Sacramento IEC Meeting.

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

#### **Highlights**

The next revised edition of ICID Multilingual Technical Dictionary (MTD) was expected to be published on CD-ROM by the Sacramento meeting. The process of revision of various chapters of the MTD is still continuing due to rather slow response from some of the authors. Translation of amendments will also have to be done into French. All this task will require some more time. All efforts are being made to complete the Dictionary work now by March 2008.

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

#### **Highlights**

The Committee on Public Relations and Publications (C-PR&P) had recommended that the present C-PR&P be split into two workbodies – one to look into the Public Relations aspects and the periodical publications of ICID viz., the Newsletter, NewsUpdate, Website and the Annual Report, and the other to look after the ICID technical publications. This was subsequently approved at the PCTA meeting and recommended to IEC for ratification at the 57<sup>th</sup> IEC in Kuala Lumpur. Vice President Hon. Larry Stephens, present Chairman, C-PR&P recommended that the Chairs of PCSPOA and PCTA should interact during the year to make a concrete proposal for consideration at the next IEC meeting in Sacramento 2007 in this regard. President Lee observed that since the Chairs of PCSPOA and PCTA were members of the MB, this could be taken up in the MB.

Further developments will be discussed.

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

#### **Highlights**

The Working Group will complete its current work upto Sacramento IEC Meeting and will propose a mandate for the new Working Group on History of Agriculture Water Management. The mandate for this newly proposed WG will also include the lessons from History. WG-HIST organized an international seminar on the theme “Lessons to learn from the Historical Development and Management of Water in Arid and Semi-Arid Regions” during the 4<sup>th</sup> Asian Regional Conference held in Tehran, Iran in May 2007. The WG will also organize an international workshop during the 22<sup>nd</sup> European Regional Conference in Pavia, Italy on 02 September 2007.

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

The Theme Leader will synthesize the work done by various WGs within the Strategy Theme of Knowledge and offer his recommendations for further improvement of the workbodies. Recommendations will keep in view new proposed completion dates of each workbody which has been in existence for a period of six years or more.

## **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)**

#### **Highlights**

Working Group will conclude its activities at Sacramento and a new WG will be developed. WG organized a workshop at Kuala Lumpur.

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

#### **Highlights**

The Working Group will conclude its work in Sacramento. The results of the questionnaires distributed will be summarized in a report to be finalized in Sacramento.

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

#### **Highlights**

The WG will elect a new Chairman, Vice Chairman and Secretary and will consider the mandate, workplan, etc at Sacramento.

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

#### **Highlights**

A new mandate and work plan will be prepared for future activities of the Working Group. A successful workshop was held in Kuala Lumpur.

### **5.2.5 Working Group on Drainage (WG-DRG)**

#### **Highlights**

The 10<sup>th</sup> International Drainage Workshop will be held in Finland and Estonia in July 2008. A new mandate for the Working Group will be formulated for presentation in 2007. It was suggested that more than one working group addressing drainage issues could be considered.

### **5.2.6 Synthesis and recommendations by Theme Leader on Systems (ST.S)**

The Systems Theme Leader will provide a work appraisal of the activities of the workbodies under theme 'Systems' in consultation with Chair, PCTA and recommend continuation or otherwise of the workbodies in view of their inputs in pipeline.

French National Committee has proposed the name of Mr. François Brelle in place of Mr. François Onimus for the position of Deputy Theme Leader on 'Systems'. His CV will be placed at the meeting.

### **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)**

##### **Highlights**

The Working Group will conclude its work in Sacramento by organizing an internal workshop to discuss the document titled "Policy Guidelines for the Evaluation of Social, Economic and Political impacts of Drought and Aridity".

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

##### **Highlights**

The WG is expected to complete its present work in 2007. A handbook is under preparation. A new workplan will be discussed at Sacramento.

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

#### **Highlights**

The WG will reformulate its workplan and will hold a workshop in Sacramento.

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

#### **Highlights**

The position paper on Flood Management was circulated among NCs for comments which will then be finalized and placed at Sacramento for approval. The WG will organize a half-day workshop at Sacramento.

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

#### **Highlights**

The WG held its first meeting in Kuala Lumpur during the 57<sup>th</sup> IEC meeting. It was decided to keep the existing title of the WG and proposed that all concerned could join the PCTA meeting or the WG meeting in Sacramento to have discussions on the change of name, if still needed.

### **5.3.6 *Synthesis and recommendations by Theme Leader on Basin (ST.B)***

The Theme Leader of ST.B will provide a work appraisal of the activities of the workbodies under theme 'Basin' in consultation with Chair, PCTA and recommend continuation or otherwise of the workbodies in view of their inputs in the pipeline.

The position of Deputy Theme Leader on 'Basin' had fallen vacant last year. The Theme Leader, VPH Henri Tardieu proposed the nomination of Mr. Ian Makin (UK) to be considered for the position of Deputy Theme Leader 'Basin', (to which Mr. Makin agreed) which was later deferred at IEC. Theme Leader asked the Central Office to invite nominations from NCs for the position of Deputy Theme Leader 'Basin'. In case no nominations were received, he desired to consider the names of Dr. Mark Svendsen (USA) and Dr. Ian Makin (UK) to accept this position. In response, the Central Office has received the nomination of Mr. Makonnen Loulseged Kifle (Ethiopia) for the position. His CV will be placed at the meeting.

## **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)***

#### **Highlights**

The WG held a workshop on 14 September in Kuala Lumpur and will discuss its future plan at the Sacramento meeting. Chair, PCTA supported the suggestion that the Working Group should conclude its work.

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

#### **Highlights**

Members were exhorted to make presentations on Use of Poor Quality Water for Irrigation or related topics at the WG meeting. A new topic on 'Impact of Aquaculture on Water Quality' was proposed for consideration under WG's activities.

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

#### **Highlights**

The WG organized a Workshop on 'Environmental Consequence of Using Poor Quality Water' at Kuala Lumpur and will hold a Special Session on "Use of Treated Wastewater for Irrigation" during the Sacramento meeting. A new workplan and mandate will be presented at Sacramento.

### **5.4.4 Synthesis and recommendations by Theme Leader on On-Farm (ST.OF)**

The On-Farm Theme Leader will provide a work appraisal of the activities of the workbodies under theme 'On-Farm' in consultation with Chair, PCTA and recommend continuation or otherwise of the workbodies in view of their inputs in the pipeline.

#### **Item 6 : ICID Task Forces**

### **6.1 Composition of Task Force to Guide ICID Inputs to WWF-5**

The IEC at its 57<sup>th</sup> meeting held in Kuala Lumpur, Malaysia in September 2006 agreed in principle to constitute a Task Force to Guide ICID Inputs to the 5<sup>th</sup> World Water Forum (WWF-5) to be held in March 2009 in Istanbul, Turkey. The theme for the WWF-5 has been firmed up by the organizers as "Bridging Divides for Water".

Presidents Hon. Aly Shady and Bart Schultz attended the Water Week of the World Bank held from 27 February to 02 March 2007 in Washington DC, USA where they seized the opportunity to discuss the developments with respect to possible inputs of ICID to the WWF-5. In his memo to President Peter Lee, PH Bart Schultz has suggested the composition of the TF as follows:

- PH Aly Shady - Chairman of the TF.
- PH Bart Schultz – Coordinator of ICID's inputs to various sessions with respect to the theme – Water for Food. He will also coordinate with other involved organizations and WWC.

In the light of the above recommendation and in consultation with the MB members, a Task Force has been set up by a Notification with the specified Terms of Reference and with the following composition:

- |     |   |   |             |
|-----|---|---|-------------|
| 1.  | Mr. Aly M. Shady, President Hon., ICID              | - | Chairman    |
| 2.  | Prof. dr. Bart Schultz, President Hon., ICID        | - | Coordinator |
| 3.  | Mr. Peter S. Lee, President, ICID                   | - | Member      |
| 4.  | VPH Chandra A. Madramootoo, Chair, PFC              | - | Member      |
| 5.  | VPH Hector M. Malano, Chair, PCTA                   | - | Member      |
| 6.  | VPH Alain Vidal, Chair, PCSPOA                      | - | Member      |
| 7.  | Engr. M. Gopalakrishnan, SG, ICID                   | - | Member      |
| 8.  | Prof. Riota Nakamura, Vice President Hon., ICID     | - | Member      |
| 9.  | Prof. Victor A. Dukhovny, Vice President Hon., ICID | - | Member      |
| 10. | Prof. Dr. (Mrs.) Shaden Abdel Gawad                 | - | Member      |
| 11. | Representative of Turkish National Committee, ICID  | - | Member      |

A meeting of the TF has been scheduled on Monday, 01 October 2007 from 14.00-17.00 hours to chalk out the strategy and further steps.

Further progress will be reported at the meeting.

### **6.2 Report of Task Force to review Inter-Basin Water Transfers (TF-IBWT)**

A draft report will be presented at the Sacramento PCTA and IEC meetings. The draft report will also be available on ICID website.

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**Item 7 : Prioritized Top Ten Technologies Capable of Revolutionizing Food Production**

President Lee in his Newsletter 2007/1 editorial mentioned about top 10 emerging technologies in the irrigation and drainage sector. During discussions in the WWF- 5 Kick-Off session with water related agencies, a suggestion came up for the creation of a new 'E-Forum' which can debate on the proposed priority of 'top 10 technologies', which are:

1. Farmer controlled water supply, or total channel control or downstream control of canals; call it what you will, but essentially an extension of the control that came with groundwater, applied to surface sources and large systems.
2. Emitter delivery systems for precision irrigation and for undulating terrain, not just through drip systems but also through centre pivots, especially those that can be moved from centre to centre, and with sweeps programmed to serve typical farm blocks. Such technologies can bring irrigation to areas previously thought capable only of purely rainfed production.
3. Wetting front indicator, a technology recognized for its outstanding potential by a WatSave award, but not yet widely appreciated.
4. Drain controllers, also exemplified by WatSave awards, for their capability to improve control of soil moisture and stimulate sub-irrigation.
5. Wetting-drying rice, another important water saving technology that WatSave has recognized in its widespread application in China.
6. No-till (NT) or minimum tillage technologies already used to conserve erodible soils and nutrients, and save fuel, but which can also conserve water in irrigated as well as rainfed production.
7. Fresh-saline irrigation, where saline and brackish water is used for part of the growing period without much loss of yield or detriment to the soil structure.
8. Salt and drought tolerant food crops, perhaps used in conjunction with 7, or independently, especially where irrigation is ephemeral or only supplementary.
9. Remote sensing coupled with the Internet and mobile communications to help the farmer with everything from establishing land tenure to operational forecasting.
10. Drainage, an "old" technology but one which we must not forget can improve and sustain production in rather more parts of the world than irrigation on its own.

Agencies like World Water Council (WWC), IWALC, WWF-5 Organizers, World Bank etc. showed enthusiasm with the initiative to prioritize core thrust areas. The World Bank (Dr. Salah Darghouth) proposed the idea of an E-Conference on the top 10 technologies outlined in the message of President Lee. Accordingly, an 'E-forum' to bring out appropriate issues connected with the listed top 10 technologies was created and a followup will be considered during the IEC in Sacramento. The 'E-forum' has the following features:

Group Name: icid\_top10tech  
Group Homepage: [http://groups.yahoo.com/group/icid\\_top10tech](http://groups.yahoo.com/group/icid_top10tech)  
Group e-mail : [icid\\_top10tech@yahoogroups.com](mailto:icid_top10tech@yahoogroups.com)

The top 2 or 3 proposals out of the listed 10 may be taken up for consideration in IWALC, which will be providing necessary S&T inputs to 5<sup>th</sup> World Water Forum and Unesco-IHP's "World Water Assessment Report III".

The Central Office has sought the impressions on top 10 technologies from NCs, Office Bearers, Chairs of ICID workbodies and selected experts and asked them to join the Group.

Further progress, if any, on this initiative will be provided at the meeting.

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**Items for Information****Item 8 : ICID's Cooperation with International Organizations****8.1 World Water Council (WWC)**

The kick-off meetings of the 5<sup>th</sup> World Water Forum (WWF-5) took place in Istanbul on 19-20 March 2007. ICID was represented at the meetings by President, Secretary General and other ICID Office Bearers. Issues relating to irrigation were discussed positively, but "unadapted" storage solutions were seen as a threat. President Lee also attended the first meeting of the programme committee, where ICID was taken in the coordinating committee assisting the "core group" of 3 WWC governors and 3 from the Turkish side. The aim of the programme is to have a fewer number of topics than in Mexico, with 3 big topics. It is hoped that the committee will be more effective in managing this, and inter alia, giving more attention to the cross-cutting themes, and the regional and political processes. It was agreed that a better understanding of other sector's needs should be attempted. A theme "Bridging for improved water use" was suggested subsequently.

In the sidelines of the WWF-5 kick-off meetings, ICID and WWC entered into an agreement of partnership which was signed by President Lee on behalf of ICID and President Loic Fouchon of WWC.

An International Congress on River Basin Management was jointly organized by Turkey's General Directorate of State Hydraulic Works (DSI) and WWC from 22-24 March 2007 in Antalya, Turkey which was also attended and contributed to by ICID delegates.

**8.2 International Water Management Institute (IWMI)**

ICID, IRNCID, INPIM, IWMI and World Bank joined to organize the 10<sup>th</sup> International Seminar on Participatory Irrigation Management during the 4<sup>th</sup> Asian Regional Conference held in Tehran, Iran in May 2007.

In the ICID's Country Policy Support Programme (CPSP), one of the envisaged components was the IWMI's inputs through WATERSIM model; IWMI thus joined the ICID concluding workshop held in New Delhi on 27 November 2006 under the CPSP to introduce this aspect to participants.

**8.3 International Standards Organization (ISO)**

ICID continues its cooperation with ISO in their Technical Committees – TC/23 SC/18, TC/190 and TC/113. The draft joint document 'ISO/CEN/ICID Handbook on Irrigation Equipment Standards' is under preparation.

**8.4 Food and Agriculture Organization of the United Nations (FAO)**

Prof. Dr. Maria Elisa Venezian Scarascia of ITAL-ICID represented ICID at FAO's 20<sup>th</sup> Session of the Committee on Agriculture held in Rome, Italy from 25-28 April 2007 and 132<sup>nd</sup> Session of the FAO Council in Rome from 18-22 June 2007.

**8.5 International Water-related Associations' Liaison Committee (IWALC)**

A meeting of the IWALC was held on 22 March 2007 at Antalya, Turkey during the kick-off meetings of the 5<sup>th</sup> WWF, which considered ways to strengthen the Science and Technology (S&T) input to the WWF.

Another meeting of IWALC was held on 29 May 2007 at Antalya, which was attended by President Peter Lee. The next meeting of IWALC is proposed at Stockholm in August 2007.

**8.6 Global Water Partnership (GWP)**

ICID continues to cooperate with GWP in their programmes. ICID has responded to the GWP Questionnaire for its 'Vitalization Framework'. ICID also sought GWP's involvement in the 20<sup>th</sup> Congress to be held in Lahore, Pakistan in 2008. ICID has been invited to the GWP 'Partners Meetings' organized on an inter-regional basis.

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### **8.7 Arab Water Council (AWC)**

Arab Water Council (AWC) was launched formally in December 2006. The ICID Office Bearers played a major role in the establishment and management of the AWC headquartered in Cairo, Egypt. At the invitation of VPH Dr. Mahmud Abu-Zeid, Hon'ble Minister of Water Resources and Irrigation (MOWI), Egypt and President, Arab Water Council, Secretary General Gopalakrishnan represented ICID at the International Workshop on 'Reservoir inundation related issues' at Cairo from 12-15 February 2007.

### **8.8 International Fund for Agricultural Development (IFAD)**

ICID has an Observer status in the Governing Council of IFAD and vice versa. It has been decided to extend this cooperation at global, country and project level. VPH Alain Vidal represented ICID in the 30<sup>th</sup> Session of IFAD's Governing Council held at Rome, Italy from 14-15 February 2007.

### **8.9 International Commission on Large Dams (ICOLD)**

ICOLD has invited ICID to be a part of a Task Force to formulate a declaration on Hydropower in Africa. President Lee suggested the name of Secretary General Gopalakrishnan to be ICID's representative on the Task Force. President Lee also suggested that ICID's 2<sup>nd</sup> African Regional Conference on Irrigation and Drainage to be held in South Africa in November 2007 could be a good venue to publicize the Declaration to be finalized after due deliberations.

ICID collaboration with ICOLD on Farm Reservoirs has also been explored. President Lee has suggested that the ICID National Committees could be invited to send nominations from amongst whom the ICID nominee could be selected to join ICOLD's new Technical Committee on Small Dams. Central Office has taken steps to seek names of those who are keen to contribute from the National Committees of Australia, China, India, Brazil and Mexico for the above Technical Committee. The nominations from the National Committees are yet to be arrived though the ICID has sought some clarifications on the TF. President Lee also had discussions with President of ICOLD about the possible collaboration with them on Integrated Flood Management. ICID has given its comments for the base paper under preparation by ICOLD.

## **Item 9 : ICID Congresses/Conferences**

### **9.1 4<sup>th</sup> Asian Regional Conference, Tehran, Iran, 02-05 May 2007**

The 4<sup>th</sup> Asian Regional Conference was successfully held at Tehran, Iran from 2 to 5 May 2007. About 1000 professionals (including 140 from overseas), policy makers, researchers, managers from 40 countries and international organizations participated in these events. Besides the ARC, 10<sup>th</sup> International Seminar on Participatory Irrigation Management (PIM), and International History Seminar on Irrigation and Drainage were also organized. An impressive technical exhibition was also held in which more than 30 consulting firms, companies and manufacturers from Iran and overseas showcased their latest products related to irrigation and drainage. Post seminar technical tours were arranged to Qazvin Province and Yazd City on 5 May and to Shiraz and Isfahan cities on 6-7 May. These technical tours provided not only an understanding of rich and ancient water civilization of Iran but also of the modern and technological advances in the water resources development and management of the country. A "Declaration of Tehran on Participatory Irrigation Management" was issued based on the presentations, conclusions and recommendations arrived at the conference. The Tehran Declaration is available on the ICID website.

### **9.2 22<sup>nd</sup> European Regional Conference, Pavia, Italy, 02-06 September 2007**

The preparations for the 22<sup>nd</sup> European Regional Conference on the theme "Water Resources Management and Irrigation and Drainage Systems Development in the European Environment" are progressing well. During the Conference, two international workshops will also be held. The Conference website: <http://www.italicid.org/erc2007> gives latest information about the ERC and workshops.

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**9.3 58<sup>th</sup> IEC and USCID's 4<sup>th</sup> International Conference on Irrigation and Drainage, Sacramento, USA, 30 September – 06 October 2007**

The preparations for the 58<sup>th</sup> IEC and USCID's 4<sup>th</sup> International Conference on Irrigation and Drainage are going on in full swing. The schedule for various workbody meetings, workshops organized by workbodies, has been finalized and put on the Conference website: <<http://www.icid2007.org>>, which also gives details regarding study tour programme, registration, exhibition, papers accepted for oral and poster presentations at the Conference, etc.

**9.4 2<sup>nd</sup> African Regional Conference, Johannesburg, South Africa, 06-09 November 2007**

The 2<sup>nd</sup> African Regional Conference will be held on the theme "Contribution of rainfed and irrigated agriculture to poverty alleviation through increased productivity in Africa" which will focus on natural, social, human, physical, and financial capital through subthemes. The South African National Committee, who is hosting the event, has put up more details of the Conference on their website: <<http://www.sancid.org.za>>.

**9.5 10<sup>th</sup> International Drainage Workshop, Helsinki, Finland, 06-11 July 2008**

The NCs of Finland and Estonia will jointly organize the 10<sup>th</sup> International Drainage Workshop on the theme "Agricultural Drainage and Environment" from 06-11 July 2008. The workshop will deliberate on five subthemes viz., (i) Agricultural drainage and environment in different farming policies; (ii) Technical solutions to prevent leaching from agricultural drainage systems; (iii) Agricultural water management and decision support methods and technology; (iv) Drainage in the context of environmental river engineering, and (v) Extreme weather conditions and drainage. The first call for papers has been issued.

**9.6 59<sup>th</sup> IEC and 20<sup>th</sup> International Congress on Irrigation and Drainage, Lahore, Pakistan, 13-19 October 2008**

The Call for Papers for the 20<sup>th</sup> ICID Congress has been circulated to all National Committees and international water-related organizations. Pakistan National Committee has recently launched Lahore Congress website: <<http://www.icid2008.org>> which at present gives information on Call for Papers, registration fee, study tours, venue, etc. Additional information will be uploaded on the website as and when finalized.

**9.7 5<sup>th</sup> Asian Regional Conference, New Delhi, India, December 2009**

No further information other than reported in the KL agenda of PCTA is available. The INCID representative will make an official statement at the Sacramento meeting of ASRWG about the Conference.

**9.8 60<sup>th</sup> IEC and 3<sup>rd</sup> African Regional Conference, Abuja, Nigeria, 2009**

The NINCID representative will provide more information about the IEC and Conference.

**9.9 61<sup>st</sup> IEC and 6<sup>th</sup> Asian Regional Conference, Jogjakarta, Indonesia, 05-12 September 2010**

The INACID representative will provide more information about the IEC and Conference.

**Item 10 : Any other business**

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**THEME LEADERS' RECOMMENDATIONS  
A COMPILATION FROM REVIEW COMMITTEE MEMBERS****Membership**

Prof. Hector Malano, Vice President Hon., ICID  
Dr. Henri Tardieu, Vice President Hon., ICID  
Dr. Hussein Ehsan El-Atfy, Vice President, ICID  
Dr. G.G. Guluyk, Vice President, ICID  
Dr. Willem F. Vlotman  
Prof. N. Hatcho

**Background**

At the 56th IEC meeting held in Beijing, China 2005, it was decided to hold a review of the functioning of the Technical Bodies of ICID. For this purpose, the President constituted a 6-member Special Committee to carry out the review. The Special Committee was asked to conduct an overall appraisal of the present standard of performance of the workbodies and identify possible recommendations leading to a performance improvement.

**Committee Recommendations**

1. Task Forces: New groups created for specific and well defined purposes and with a very focused mission should be of short duration and designated as task forces.
  2. Working Groups: The main purpose of working groups is to exchange experiences over a selected theme. PCTA will enforce the timebound duration principle for WG according to by-laws. The tenure of working groups (6 years) should be enforced. Working Groups are to develop a set of objectives that they intend to achieve during their tenure with a clearly delineated workplan and outputs. As the tenure of the working group will come automatically to an end at the end of year 6, any extension will be considered on the basis of a new proposal similar to that required at the beginning of the working group tenure.
  3. Creation of new groups should come in most cases at the expense of closing down or merging existing groups.
  4. Working group chairpersons are required to attend the PCTA meeting and report on progress towards achieving the WG goals.
  5. The WGs are encouraged to use their meeting time in the most productive way to discuss topics relevant to the WG objectives and which contribute to achieving the WG objectives. Chairs must dispose of the administrative items of the agenda in the shortest possible time and use the rest of the meeting time to workshop selected topics or special presentations selected at the previous WG meeting. This will allow the dissemination of these activities to potential participants who may decide to attend the deliberations on the basis of these activities.
  6. WG workshops to make presentations/papers available on the WG website. Where possible, books, journal papers, and other publications should be encouraged.
  7. The Working Group should identify and produce outputs that are significant and relevant to the theme of the Working Group. Outputs could be, for example, a manual, a state-of-the-art review, a set of workshops or a functioning network.
  8. The Working Group should identify clearly the target audiences for the outputs from water-related stakeholders.
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**AGENDA 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\***Proposed Year of Closure: 2007*

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

**Observer :** Dr. (Mrs.) B. Dolfing (The Netherlands).

**Item 1 : Confirmation of Minutes of the 9<sup>th</sup> Meeting of WG-HIST Held at Kuala Lumpur, Malaysia on 10 September 2006**

No comments received. The minutes may be considered for confirmation.

**Item 2 : Tenure of the Working Group**

The WG-HIST in its 9<sup>th</sup> meeting decided to complete its current activities at Sacramento. With a new mandate and new set of objectives and work plan, another WG will be proposed in its place. The name for the new WG was proposed to be Working Group on "History of Agriculture Water Management".

**Item 3 : Membership Review of the Working Group**

Two new members, viz. Dr.-Ing. Klaus Röttcher (Germany) and Prof. Wen-Pin Shu (Chinese Taipei) were inducted. Members who are nominated by various National Committees (Austria, Croatia and France) but could not attend or contribute during the last two years were requested (e-mail dated 22 December 2006 and 14 April 2007) to come up with their confirmation regarding membership. Responses are awaited.

The National Committees of India and Korea have nominated Mr. C.M. Pandit and Dr. Na, Jeong-Woo respectively for the WG membership. CV of the nominees will be tabled for consideration at the WG meeting at Sacramento.

Attendance of the members at the meetings of the Working Group in 2005 and 2006 will be presented at Sacramento. Members who were neither present at the meetings nor contributed through correspondence for the last two consecutive years are:

- Mrs. F. Sinatti (Italy)
- Dr. S.H. Lee (Korea)
- Prof. Zorko Kos (Croatia)
- Mr. Aliyu Jada (Nigeria)
- Mr. Satit Maneepai (Thailand)
- Dr. Alexis Vogel (Austria)
- Mr. Jean Verdier (France)

**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 (Prof. Hatcho)**

Report attached as **Annex**.

**Item 5 : Report by the Chairman on Progress Made by the National Working Groups (NWG) on their Assignments**

In the last 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. It was decided that the Chairman would take up this issue with them again.

The Central Office (CO) requested Chairman to follow-up the matter and advise the CO accordingly (e-mail dated 20 February 2007).

**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.

**Item 7 : Progress on Publishing History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean**

In the 9<sup>th</sup> 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. The Chairman asked the members to give comments on the draft text.

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 are awaited.

**Item 8 : Cooperation with International Water Organizations (IWHA & UNU)**

Dr. Klaus Rottcher, Member, WG-HIST has expressed his willingness for developing a research project to collect information on water management in arid and semi-arid regions, and explore 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) and requested for a letter of support from ICID vide his e-mail dated 30 January 2007.

Secretary General, ICID forwarded a letter (15 February 2007) to Dr. Rottcher extending ICID support to this venture.

The WG-HIST may like to consider and coordinate further.

**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. Responses are awaited.

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

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was also forwarded for information and providing views/suggestions for uploading the material on the WG-HIST website.

**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 4<sup>th</sup> 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 22<sup>nd</sup> European Regional Conference, which is scheduled to be held in Pavia, Italy, from 2-6 September 2007.

- A briefing on the event held will be made during the 10<sup>th</sup> meeting scheduled at Sacramento by the Chairman, WG-HIST.

(3) Proposed Seminar - during the 20<sup>th</sup> ICID Congress in Lahore, Pakistan in 2008.

-The seminar would focuss 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)

WG-HIST may like to take up various followup actions that are to be considered further for the proposed seminar scheduled during 20<sup>th</sup> Congress of ICID in Lahore, Pakistan in 2008.

**Item 11 : Any other Business**

The Chairman desired in the 9<sup>th</sup> meeting of the WG-HIST that his successor may be identified. The WG may like to deliberate on the issue.

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**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. 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 30<sup>th</sup> 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 21<sup>st</sup> 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.
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AGENDA FOR 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 :** (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 (Great Britain); (5) Dr. J.M. Rodriguez-Chaparro (Spain); (6) Dr. S. Szalai (Hungary); (7) Mr. A. Villocel (France); (8) Prof. R.P. Serralheiro (Portugal); (9) Mrs. Mu Jianxin (China); (10) Dr. Hussein El Atfy (Egypt); (11) Mr. Pulat Umarov (Uzbekistan); (12) Mr. Anthony John Horton (Australia); (13) Dr. Abdul Majeed (Pakistan); (14) Dr. Graziano Ghinassi (Italy); (15) Dr. D.K. Paul (India); (16) Dr. T. Watanabe (Japan); (17) Prof. Chang-Chi Cheng (Chinese Taipei); and (18) Secretary General, ICID.

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

**Working Group website:** <<http://www.wg-iadws.icidonline.org>>.

**Item 1 : Confirmation of the minutes of the 9<sup>th</sup> meeting of the Working Group**

The minutes of the 9<sup>th</sup> meeting of the Working Group held at Kuala Lumpur (2006), Malaysia will be confirmed.

**Item 2 : Review of the membership of the Working Group**

The Kazakhstan National Committee of ICID (KAZCID) has nominated (31 January 2007) Mr. Temirbaev Bakhtiyar Kuralovich (Kazakhstan) for the membership of the WG.

Dr. G.R. Backeberg (South Africa), Vice-Chairman of the Working Group, however, opined (30 October 2006) that WG may not consider new nominations for the membership in this final year of WG activity. Attendance of the members at the meetings of the Working Group in 2005 and 2006 will be presented at Sacramento.

**Item 3 : Summary of Past Activities**

The mandate of this Working Group was finalized after merging two erstwhile Working Groups (1996-1997). Prof. Farhoudi (Iran) was the chairman of the new WG. Dr. S. Nairizi (Iran) was elected as the new Chairman of the Working Group in year 2000. The six sub-themes were established in year 2001. The General Questionnaire has been in circulation for many years for compiling water status of member countries. Numerous workshops have been held and newsletters published. Year-wise activities of the WG are summarized in the **Annex 1**.

**Item 4 : Compilation of the 'General Questionnaire on the Water Status of ICID member countries'**

Ten member countries i.e. Australia, Hungary, India, Iran, Italy, Japan, Lithuania, Pakistan, South Africa and Uzbekistan, have already submitted the completed questionnaires to date. The ICID Central Office requested (3 April 2007) the members of the Working Group for either submitting (fresh) or revising the 'General Questionnaire on the Water Status of ICID member countries' for consideration during the final meeting of the WG at Sacramento.

In response, Vice President Dr. Hussein El Atfy (Egypt) and Dr. J.M. Rodriguez-Chaparro (Spain) submitted their questionnaires for compilation. In addition, Dr. Tony Horton (Australia) and Dr. Graziano Ghinassi (Italy) also submitted their revised questionnaires for consideration. Prof. Chang-Chi Cheng (Chinese Taipei) informed (4 April 2007) that he will be submitting the questionnaire shortly. Response is awaited.

Responses from other member countries, especially China, Japan and USA, are awaited. The members of the WG appreciate the efforts of Dr. A. Sabetraftar (IRNCID) in compiling the data received through the questionnaires.

#### **Item 5 : Cooperation with International and Regional Organizations**

*International Co-operation:* The Chairman has been constantly trying to garner the input and support from the FAO and WMO for WG activities, particularly for the final draft preparation and hopefully supporting the publication of the final document. Dr. M. Bazza (FAO) and Dr. A. Delji (WMO) have participated in the WG activities in the past but off late they have not been able to do so. The Chairman will apprise the WG members.

*Regional Co-operation:* The WG continues to successfully co-operate with European Work Team on 'Drought Mitigation Strategies'.

The Chairman will further apprise the WG members.

#### **Item 6 : IADWS – Newsletter**

The WG may prepare one final Newsletter, post Sacramento meetings, covering various achievements of the WG.

The Chairman will apprise the WG members.

#### **Item 7 : Activity plan**

##### **7.1 Workshop (Internal) of WG-IADWS (2007)**

The final draft on six sub-themes will be presented by concerned Co-coordinators during this internal workshop. The details of six sub-themes are presented in **Annex 2**. The workshop will be held during the WG meeting on 30 September 2007.

The participants may discuss WG recommendations, possibly a position paper on the subject and future activities, if any. As a result, a new Workbody with a specific mandate may be proposed.

##### **7.2 WG final document (Draft) on 'Irrigation under Drought and Water Scarcity'**

The final draft of the WG document will follow the framework (**Annex 3**) indicated by Dr. G.R. Backeberg (South Africa) and it will be in the form of guideline book with appendix in the form of a CD placed inside the back cover. It was decided in the meeting (2006) to have the proceedings of the workshop (2004, Moscow) on "*Water Harvesting and Sustainable Agriculture*" as an appendix to the final document of the WG.

Further, the Central Office contacted (3 April 2007) Mrs. Jianxin Mu (China), Dr. T. Watanabe (Japan) and Dr. J.M. Rodriguez-Chaparro (Spain) for their contributions to the WG final document. Responses are awaited. Dr. Graziano Ghinassi (Italy), however, has already submitted (2006) his report on "*Guidelines for Crop Production under Water Limiting Conditions*".

The ICID publications, however, have to be peer reviewed by an editorial team (*excluding authors*) and approved by the Committee on Public Relations and Publications (C-PR&P) for budget. An Editorial Team may be constituted to go through the WG publication and suggest changes, modifications and improvements, if any. WG may also identify a sponsor to publish this WG document, if possible.

#### **Item 8 : Tenure of the Working Group**

It was decided (2006) by the WG members to conclude this WG by September 2007 during Sacramento meetings. The continuation of topics concerning the water scarcity and drought mitigation strategies would be proposed by the members to be placed before PCTA for further deliberations and establishment of a new Working Group with a new mandate, tenure and work plan.

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**Item 9 : Any other business**

- **Feedback of the 4<sup>th</sup> 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 4<sup>th</sup> Asian Regional Conference and the 10<sup>th</sup> International Seminar on 'Participatory Irrigation Management (PIM)' during May 2-5 May 2007 in Tehran, Iran. This joint international event was organized and hosted by the Iranian National Committee on Irrigation and Drainage (IRNCID).

The Chairman will apprise the WG members.

- **UN Water Initiative**

Mr. Peter Lee, President, ICID made the following observations about the SIWI Stockholm Water Week (2006) when the UN water initiative was discussed:

- ICID has been invited as a participant in UN Water Initiative.
- '*Coping with Water Scarcity*' has been given the highest priority in this initiative.
- Rainfall management could be considered as a part of Managing Water for Sustainable Agriculture.

WG may consider this new development in its final document. WG may also propose a role for ICID to play in this initiative through setting up of a new working group with an appropriate mandate.

- **Hydrological Ensemble Prediction Experiment (HEPEX) of WMO**

HEPEX aims to bring the international hydrological and meteorological communities together to demonstrate how to produce the utilize reliable hydrological ensemble forecasts to make decisions for the benefit of public health and safety, the economy and the environment. The probabilistic manner in which reliable stream flow forecasts emerge out of HEPEX could, *inter-alia*, help in a better irrigation planning and scheduling, flood management by credible forecasts advancing time, drainage control, environmental protection etc. The World Meteorological Organisation approached ICID to represent the Users' interests in a HEPEX workshop held in Boulder, Colorado in July 2005. Secretary General M. Gopalakrishnan represented ICID in the above workshop. HEPEX Steering Group representing Users' Category which was formulated on conclusion of the workshop desired ICID participation.

WG may also propose a role for ICID to play in this HEPEX of WMO through setting up of a new working group with an appropriate mandate.

- **World Agro Meteorological Information Service (WAMIS)**

The goal of WAMIS is to make agro meteorological products issued by WMO members available to the global agricultural community on a near real-time basis. WMO feels that the provision of a central location for agro meteorological information can help the users quickly. The materials of 'tools and resources' section are compiled from different sources or developed specifically for WAMIS and include links to useful available software, guides, web portals, training resources, and tutorials. For more information, please access their website at [www.wamis.org](http://www.wamis.org).

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**YEAR-WISE SUMMARY OF PAST ACTIVITIES OF WG-IADWS****1996-1997**

The two erstwhile Working Groups, namely, Working Group on 'Highly Water Stressed Areas and the Working Group on Impact of Drought on Irrigated Agriculture' were merged to create a new Working Group with the proposed name Irrigated Agriculture under Drought and Water Scarcity', the mandate of which was formulated and chairmanship of Prof. J. Farhoudi (Iran) proposed.

**1997-1998**

The newly created Working Group discussed its organization, creation of sub-themes and its cooperation with other Working Groups. The mandate and work plan of the Group were discussed.

**1998-1999**

The mandate of this Working Group was finalized. The Chairman, Prof. Farhoudi (Iran) presented the draft General Questionnaire prepared by the Working Group on Highly Water Stressed Areas, under the Iranian National Committee. A status paper on activities of Work Team on Drought under the European Regional Working Group (ERWG) was presented at the ERWG meeting.

**1999-2000**

A review of the general questionnaire on water status of ICID member countries was made. Cooperation of other ICID Working Groups was sought by Chairman Farhoudi on various on-going topics in the Working Group. Copies of the guidelines "How to work out a Drought Mitigation Strategy", prepared by Dr. Vermes of the Work Team on Drought under European Regional Working Group, were distributed.

**2000-2001**

Dr. S. Nairizi (Iran) was elected as the new Chairman of the Working Group. The five-year action plan 2000-2001 to 2004-2005 for the Sub-Themes was discussed. Dr. Safwat Abdel-Dayem of World Bank (WB) suggested that the Chairman and Sub-Theme coordinators should approach WB for funding through their country representatives. Hungary, India, Poland and Iran have submitted the completed Questionnaire on the Water Status of ICID member countries. The guidelines on 'How to work out a Drought Mitigation Strategy' were distributed to all members.

**2001-2002**

At Seoul, it was felt that many of the sub-theme activities were overlapping. The Working Group now has only six sub-themes as against the earlier 12 sub-themes. The Working Group desired to have an effective coordination with WG-CROP and ERWR. Prof. L. Vermes (Hungary) and Prof. B. Maticic (Slovenia) are working on Drought Mitigation Strategies which they shared with IADWS. A workshop on 'Water Scarcity and Dry Land Agriculture' was held on 22 July 2002 in Montreal, Canada. The WG-IADWS is consideration cooperation with other international and regional organizations to procure and facilitate exchange of the information and experiences in the area of IADWS.

**2002-2003**

Dr. S. Nairizi (Iran), Chairman of the WG prepared a summary report of about six completed General Questionnaire on "Water Status of ICID Member Countries" which were received from India, Hungary, Uzbekistan, Lithuania, Australia and Iran. Prof. Vermes (Hungary) also presented a brief outcome of the Bled Conference on "Drought Mitigation" which was held in April 2002 in Slovenia. The guideline on "How to Work out a Drought Mitigation Strategy" was prepared by Prof. Dr. Laszlo Vermes (Hungary). Mr. A. Villocel (France) presented a document on "Guidelines for the Evaluation of Social Economic and Political Impacts and Drought and Water Scarcity' during the meeting. The WG now has its own website (<http://www.wg-iadws.icidonline.org>) where latest activities of WG can be reviewed.

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**2003-2004**

WG members were actively involved with activities of six sub-themes of the Working Group. WG-IADWS was in collaboration with ERWG on “Drought Mitigation Strategies” and with WG-PQW on “Guidelines for Crop Production under Water Limiting Conditions”. An interim meeting of WG-IADWS was held on 13 July 2003 in Tehran, Iran. The WG brought out its 3<sup>rd</sup> Newsletter in December 2003.

Two workshops, namely, (i) “Drought Management Strategies” at Tehran (Iran) during 13-14 July 2003 and (ii) “Drought Management Strategies in Different Countries” at Montpellier (France) on 16 September 2003, were successfully held. Two new publications (i) “Drought Management Strategies in South Africa : Policy Requirements and Research Support for Irrigated Agriculture”, (ii) “How to work out Drought Mitigation Strategy” and papers presented at the Montpellier workshop could be accessed on the WG website (<http://www.wg-iadws.icidonline.org>). A memorandum of understanding was agreed to with the FAO through interaction between the Chairman, WG-IADWS and Dr. M. Bazza of FAO Regional Office for the Near East (FAORNE) for mutual cooperation.

**2004-2005**

The WG-IADWS covered six sub-themes on various aspects of the mandate. A progress report on the Bibliography (Survey of publications on irrigation under conditions of drought and water scarcity) was presented. Dr. Paul (India) worked on indices to describe and qualify the implications of drought and aridity in relation to agricultural, social, economic and political issues. Dr. Hussein El Atfy (Egypt) provided an update of work being done by Egypt on long term weather forecasting. The WG organized a workshop on “Water Harvesting and Sustainable Agriculture” at Moscow, Russia. Ms. I. Beemearts from FAO presented a paper on “Coping with Water Scarcity in (Semi) and Areas”. The proceedings are available on the WG website <http://www.wg-iadws.icidonline.org>. The 4<sup>th</sup> WG-IADWS Newsletter was published in 2004-05.

**2005-2006**

A bibliography on Irrigation under Conditions of Drought and Water Scarcity has been completed. A CD of “Policy Guidelines for the Evaluation of Social, Economic and Political Impacts of Drought and Aridity” was distributed to the Working Group members. As a measure to disseminate case studies it was decided to include case studies in the evaluation report. So far, ten countries have completed the questionnaire. The WG has successfully interacted with the ERWG Work Team on “Drought Mitigation Strategies”. The 5<sup>th</sup> WG newsletter was published in August 2005.

In Beijing meeting, it was proposed to wind up the WG’s activities by 2007 at Sacramento (USA).

**2006-2007**

The Working Group is likely to complete its mandate in 2007. A brief compilation on ‘water status of member countries’ has been prepared by Dr. S. Nairizi / Dr. Sabetraftar, Iran and circulated among the members. Mr. Ghinassi (Italy) contributed to the development of the guidelines on ‘Crop Production under Water Limiting Conditions’. An internal workshop on ‘Irrigation under Drought and Water Scarcity’ was organized during the Kuala Lumpur meetings in 2006 where the concerned sub-theme coordinators addressed the WG members. A similar internal workshop has been proposed to be organized during the 58<sup>th</sup> IEC meetings in September-October 2007 at Sacramento, USA. During this workshop the draft document, the WG recommendations, possible position paper and future activities would be discussed. The final draft of the WG will follow the framework indicated by Dr. G.R. Backeberg (South Africa) and it will be in the form of a guideline book. President Peter Lee participated in the SIWI Stockholm Water Week in 2006 and informed that ICID has been invited as a participant in UN Water Initiative and ‘Coping with Water Scarcity’ has been given the highest priority in this initiative. The Working Group will be considering this new development in its final document and also propose a role for ICID to play in this initiative.

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**SUB-THEME ACTIVITIES OF THE WORKING GROUP****Sub-Theme 1 : Survey of publications on irrigation under condition of drought and water scarcity (Coordinator: Mr. Anthony Horton, Australia)**

Dr. Anthony Horton (Australia) has completed the task under this sub-theme. The document on '*IADWS bibliography on irrigation under conditions of drought*' has been submitted (31 March 2006) to Chairman for consideration. The ICID Central Office has already circulated (02 May 2006) the same amongst WG members.

Dr. Anthony Horton will present his latest report during the WG workshop.

**Sub-Theme 2 : Develop/select appropriate indices to describe and quantify the implications of drought and aridity in relation to agricultural, ecological, social, economic and political issues (Coordinator : Dr. D.K. Paul, India)**

The report on Sub-Theme 2 was considered critical in completing the task of this WG. Dr. Nairizi, Chairman shared the following reports with Dr. D.K. Paul (India), Dr. Ricardo P. Serralheiro (Portugal) and Dr. Szalai (Hungary) for early completion of Sub-Theme 2 report by Dr. Paul :

- (i) Drought Management Strategies in Egypt by Dr. H. El-Atfy, M. Abdel Khalek and H. Kandil (Egypt).
- (ii) Drought Management in South Africa by Dr. G.R. Bakeberg and M.F. Viljoen (South Africa).
- (iii) Drought Management in Strategies in Ethiopia by Eyasu Yazew, Prof. Bart Schultz, Herman Depeweg and Mitiku Haile (Ethiopia and The Netherlands).
- (iv) National Strategies and Action Programmes on Drought Mitigation by Prof. Dr. Laszlo Vermes (Hungary)
- (v) Effect of Strom Characteristics and Crop Residue Management on Runoff and Implications for Drought Management Strategies : A Case Study of Alemaya Catchment, Eastern Ethiopia by Y.E. Woyessa, A.T.P. Bennie, E. Pretorius (South Africa).
- (vi) Indices to describe and quantify drought and aridity in Portugal in relation to agricultural, ecological, social, economic and political issues by Dr. Ricardo P. Serralheiro (Portugal)

Dr. Paul will present his latest report during the WG workshop.

**Sub-Theme 3 : Develop guidelines for – (i) Assessment of drought on irrigated agriculture (ii) Development of policies and management strategies for various drought and water scarcity situations (Coordinator : Dr. G.R. Backeberg, South Africa)**

Dr. G.R. Backeberg (South Africa) completed his report on Sub-Theme 3 and distributed a CD on "Policy Guidelines for the Evaluation of Social, Economic and Political Impacts of Drought and Aridity" during Beijing (2005) meeting. Dr. Backeberg will apprise the members during the WG workshop.

**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. Hussein El Atfy (Egypt) has submitted (17 February 2007) his reports on: (1) Non-Conventional Water Use World-wide, (2) The Experience of the Nile Water Forecast in Managing Floods and setting Strategies for Knowledge Dissemination, for consideration of the WG. Earlier Dr. Ragab Ragab (UK), Dr. Hussein El Atfy (Egypt) and Dr. T. Watanabe (Japan) had presented their reports during Beijing (2005) meeting.

Dr. Ragab and Dr. El-Atfy will present their latest reports during the WG workshop.

**Sub-Theme 6 : Dissemination of products of this Working Group (Coordinator: Dr. S. Nairizi, Iran)**

The Chair and Central Office are in contact with all co-ordinators of the sub-themes for their draft reports in order to provide a document that will summarize the work of this Working Group.

Dr. G.R. Backeberg (South Africa) provided a framework document (**Annex 2**) to summarize the work of the Working Group. Comments have been invited from members, so that the mandate of the WG could be completed by September 2007. An editorial team needs to be established during this meeting to review the WG report.

It was suggested during Beijing (2005) meeting to include case studies in the final WG document as a chapter or as an appendix. Dr. Ragab (UK) was to co-ordinate this activity.

It was also suggested to include the Literature Review towards the Development of Guidelines for the Evaluation of Social, Economic and Political Impacts of Drought and Water Scarcity prepared by M.F. Viljoin (South Africa) in the final WG document as an appendix.

The Chair will apprise the WG members on the final WG document during the WG workshop.

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**WG-IADWS  
FRAMEWORK FOR REPORTING**

**Title of Report  
Irrigation under Drought and Water Scarcity**

**Draft Table of Contents**

**Foreword by Chairman**

**Acknowledgement of Members of the Working Group**

**Executive Summary**

- Chapter 1** : Background and Introduction
- Chapter 2** : Literature Overview/Synthesis
- Chapter 3** : Indices to Describe and Quantify the Implications of Drought and Aridity
- Chapter 4** : Suitable Technologies and Irrigation Practices for Utilization of Water under Conditions of Drought and Water Scarcity
- Chapter 5** : Application of Long-term Weather Forecasting for Drought Prediction
- Chapter 6** : Policy Guidelines for the Evaluation of Social, Economic and Political Impacts of Drought and Aridity
- Chapter 7** : Conclusion and Recommendations

**Appendix**

Workshop Proceedings

Publications of the Working Group

Membership and Involvement of Young Professionals;

Newsletters

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**AGENDA 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**

**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 1<sup>st</sup> meeting of the WG-CONST was held in Melbourne, Australia in September 1983 and the WG-DRG will hold its 25<sup>th</sup> meeting in September 2007 at Sacramento, USA on the occasion of 58<sup>th</sup> IEC meeting. It is an appropriate occasion to celebrate 25 years (Silver Jubilee) of successful working of the group(s). Chairman has requested all the members, permanent observers and all those professionals interested in the subject of agricultural drainage to attend and actively participate in the meeting.

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

**Permanent Observers :** (i) FAO representative; (ii) World Bank representative; (iii) Dr. C.A. Madramootoo (Canada); (iv) IPTRID representative; (v) Mr. Aly M. Shady (Canada); (vi) Prof. dr. Bart Schultz (Netherlands); (vii) Prof. H. Malano (Australia), and (viii) Dr. Safwat Abdel-Dayem (Egypt).

The time schedule for discussion of the group's agenda and workshop deliberations will be 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 |

All members and permanent observers are urged to follow the time schedule as per the above.

**A. GENERAL BUSINESS**

**Item 1 : Confirmation of the minutes of the 24<sup>th</sup> meeting of the Working Group held at Kuala Lumpur**

The minutes of the 24<sup>th</sup> meeting of the Working Group held at Kuala Lumpur in September 2006 will be 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 and Kazakhstan National Committee (KAZCID) has nominated Mr. Anzelm Carl Albertovich for the membership of the group. The CVs will be tabled at the meeting. The group may like to consider the nominations at the meeting.

At Kuala Lumpur, nominations of Dr. Gurbachan Singh (to replace Mr. S.K. Das/ Mr. M.K. Sharma) by Indian National Committee (INCID) and Mr. Ahmed Mohammad Aziz by Iraqi National Committee (IRQCID) were not accepted due to their non-participation at the meeting. The nominations are once again put up for consideration of the group.

Attendance of members at the meetings held in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the working group by any other representative of the concerned national committee is not deemed to be a contribution by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

**Item 3 : Continuation of the workbody**

At the Kuala Lumpur meeting, the group proposed to request all the national committees to provide their feed-back on future priorities so as to decide the continuity and/or revival of the working group.

Chairman will provide the feedback received from national committees and members.

**B. WORK PLAN****Item 4 : Workshops sponsored by the working group****4.1 10<sup>th</sup> International Drainage Workshop, 2008**

The 10<sup>th</sup> International Drainage Workshop (IDW) is scheduled to be held from 6 to 11 July 2008 at Helsinki, Finland and Tallinn, Estonia. The workshop will be jointly organized by Finnish National Committee (FINCID) and Estonian National Committee (ESTCID). The main theme of the workshop is '*Agricultural Drainage and Environment*' and will deliberate on five sub-themes. The details of sub-themes, programme, important deadlines, registration and other information are available at <http://www.fincid.fi/idw2008/>. Members are encouraged to submit papers.

The Central Office in March 2007 has circulated the 'Call-for-papers' to all national committees/ committee/ international organizations with a request to submit papers related to sub-topics directly to FINCID/ ESTCID. Wide publicity to the workshop has been given through ICID News Updates, News Letters, website and individual contacts.

The Chairman and/ or representative of FINCID/ ESTCID will brief the updates in preparation of the workshop.

**4.2 Annual Internal Workshop of the Group**

The group had decided to hold an internal workshop during its annual meeting on regular basis.

The Chairman, in October 2006 had invited all national committees to indicate their willingness/ intension to make a brief presentation on the evolution of drainage in their respective country at the meeting. The focus of the presentation should be to highlight the challenges and opportunities for agricultural drainage and drainage water management practices to improve the environment.

Members are requested to inform Dr. Vlotman, Chairman 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**

At Kula Lumpur it was reported that the document 'Performance Assessment and Potential Indicators for Drainage Systems' jointly prepared by ICID, Cemagref, Alterra–ILRI and CSIRO was nearing completion and will be available at Sacramento meeting. The CSIRO had volunteered to print and publish the document.

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The Committee on Public Relations and Publications (C-PR&P) could also be apprised and informed about the publications to be brought out and the use of ICID logo on them.

It was also reported that FAO was preparing a publication 'Performance Assessment of Drainage Schemes' Chairman and FAO representative will provide the updates in preparation of the above documents.

## **Item 6 : Database and WG website**

### **6.1 Database on drainage needs**

Dr. Sami Bouarfa (France) has been maintaining a 'International Drainage Database' at <http://drainage.montpellier.cemagref.fr> and linked to group's website DRAINLINE. At the last meeting, Dr. Beltran (FAO) has informed the existence of the FAO Aquastat database. It was suggested to examine the possibility of linking both databases. However, it was pointed out that there could be a problem of homogeneity of definitions and information sources. Messrs Bouarfa, Beltran (in collaboration with Mr. Jean Marc Foret, FAO-Aquastat), and Dr. S.A. Kulkarni of the Central Office were given the task of examining this question and to report at Sacramento..

The Central Office in March 2007 had requested Dr. Beltran to indicate the link of the FAO Aquastat database and also glossary of drainage related terms used by the FAO to facilitate preparation of a refined/ updated database. Dr. S A Kulkarni proposed to prepare a simple questionnaire/ data sheet to collect statistical information about the agricultural drainage in ICID country network. Response from Dr. Beltran is awaited.

Dr. Beltran/ FAO representative may like to provide feedback on the FAO database.

### **6.2 Videotapes and CD-ROM database**

At the Kuala Lumpur, the group requested Dr. Sami Bouarfa to explore some funding support to compress films and convert into shorter versions to facilitate their downloading via DRAINLINE. Mr. AT van Coller (South Africa) had indicated his interest in contributing to the work. Due to lack of progress the group had decided to maintain the database as it is and to add new CD-ROMs and copies of the media whenever available.

Members are urged to inform availability of drainage related CD ROM/ Video tape films for adding to the database.

### **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. A report highlighting key activities carried out by a 'Sub-Committee on Drainage' as received from Pakistan National Committee (PANCID) has been posted on the DRAINLINE. The report contains information on new publications, research papers, meetings, in-house and international seminars held during the period April 2006 to March 2007. The report has also been circulated by Central Office among members in April 2007. Dr. Vlotman, Chairman had requested members to participate in maintaining the website.

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**

At the last meeting held at Kuala Lumpur, members decided to celebrate 25 years (Silver Jubilee) of successful working of the WG at Sacramento. The group has planned to celebrate this important milestone. A special edition of the ICID Journal was also proposed to commemorate the occasion. Dr. Vlotman had requested all members/ select national committees to contribute technical paper(s) highlighting the state-of-the-art of 'drainage and the environment' in their respective country. Dr. W. F. Vlotman and Prof. Dr. Chandra A. Madramootoo have agreed to be the guest editors for the special issue. ICID will bring out the special issue as volume 56 (Supplementary) on 'Drainage, an essential element of integrated water management' to be published in December 2007. A master copy of the special issue will be available during the meeting. Thanks are due to the Government of The Netherlands for supporting the special issue of the ICID journal.

At Kuala Lumpur, Chairman had urged all members and observers to contribute substantially to the USCID's 4<sup>th</sup> International Conference on Irrigation and Drainage scheduled to be held from 3 to 5 October. The USCID has received good response for the papers dealing with various aspects of drainage.

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At the initiative of the Chairman, Dr. S A Kulkarni at the Central Office has designed a logo to commemorate the silver jubilee meeting of the WG. The logo has been posted on the WG webpage - 'DRAINLINE' (also used for the special issue of the Journal and other documents). Member may wish to note.

Chairman will apprise further details of the special issue of the journal and the conference.

**Item 8 : Review and update of the group's mandate**

At Kuala Lumpur, the group decided to revise the mandate of the WG in light of the new issues, challenges and future trends. The Chairman and the Secretary had volunteered to prepare a draft revised mandate and put up at the Sacramento meeting.

Dr. Vlotman/ Dr. Bouarfa/ Mr. Vincent will present the draft revised mandate of the WG.

**C. LIAISON AND LINKAGE WITH OTHER WORK BODIES**

**Item 9 : Liaison with workbodies**

The group has been liaising effectively with pertinent ICID working groups with a view to exchange information for enriching the activities/output of the workbody. 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) – Mr. Jim Ayars
- 9.6 WG-CBTE (Theme: System) - Dr. M.H. Amer
- 9.7 WG-ILWRM (Theme: Basin) – *concluded at Kuala Lumpur* – Dr. Safwat Abdel-Dayem

**D. PRESENTATIONS/ WORKSHOP/ SUMMARY**

**Item 10 : Presentations from member countries**

The presentations made at Kuala Lumpur meeting will be posted on 'DRAINLINE'. Chairman will apprise about the programme of the internal workshop. Members/ interested professionals, who have already confirmed with the chairman, will make presentations at the meeting.

**Item 11 : General discussion and summary of the meeting**

The Central Office wish to share 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 20<sup>th</sup> 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

Members may like to share other relevant information/ news at the meeting.

The Chairman will conclude the meeting by recapitulating key decisions/ outcome.

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AGENDA 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*

**Year of Establishment: 1998**

**Completion of the Mandate: 2004**

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

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

**Item 1 : Confirmation of the minutes of the 9<sup>th</sup> meeting of WG-CD held at Kuala Lumpur, Malaysia, 11 September 2006**

The minutes of the 9<sup>th</sup> meeting of WG-CD held in Kuala Lumpur, Malaysia, on 11 September 2006 will be confirmed.

#### **A. CONTINUING ITEMS**

**Item 2 : Status of revision and publication of MTD (CD-ROM)**

At the Kuala Lumpur meeting of the WG-CD, a five-member Editorial Committee was formed to review the suggestions/additions/deletions/modifications made by experts to various Chapters and tentative schedule for bringing out the revised MTD Edition.

Out of the 24 Chapters of MTD 2002 marked for revision by various experts, the Central Office has received suggestions / additions / deletions / modifications on 17 Chapters, which have been further reviewed by the Editorial Committee.

These 17 Chapters have been sent to Chair, marking the final modifications in track mode in each Chapter.

A French expert will review Chapter IX (Wells and Drilling) and the Chair is trying to identify an expert for reviewing Chapter X (Pumping Stations). On Chapter XXI (Computer Technology), the reviewers have opined that half of the terms were obsolete, so needed to be replaced by existing online resources.

Some authors who have agreed to revise the chapters are yet to send back their work to the Central Office, thus delaying review by the Editorial Committee and also posing complications and time constraints to the French translators. The WG may give its suggestions to overcome this situation, to be able to bring out the revised version of the Dictionary at an early date.

In consultation with Chair, it is proposed to add a new Chapter XXV (Climate Change) with the terms adapted from IPCC Glossary on Climate Change ([www.ipcc.ch/pub/syrgloss.pdf](http://www.ipcc.ch/pub/syrgloss.pdf) and [www.grida.no/climate/ipcc\\_tar/wg2/pdf/wg2TARannexB.pdf](http://www.grida.no/climate/ipcc_tar/wg2/pdf/wg2TARannexB.pdf)).

The status of revision of MTD Chapters is given in **Annex**.

From the status, it is seen that revised versions of some chapters are yet to be received from the experts, while the translation into French of the newly added terms, as well as all changes will have to be done. After this work is accomplished, a further time of at least 2-3 months will be required to prepare the manuscript format/data to be compatible for publication. A new and modified software is being developed to make the Dictionary more interactive and useful.

It is thus felt that it will be difficult to publish the CD by Sacramento events. However, all efforts will be put in to bring out the revised MTD by March 2008.

The WG will chalk out a revised time schedule for publication of CD-ROM.

**Item 3 : Translation of MTD in other languages**

The Chinese version of the MTD has been received in the Central Office.

The representatives of IRNCID, INACID and TUCID will apprise the WG about the translation of MTD into their respective languages.

**Item 4 : Any Other Business**

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REVISION STATUS OF MTD CHAPTERS (2002) FOR  
NEXT EDITION

| 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. | Revision by French experts of Cemagref C.Fouchier<br>De page 49 à la fin Patrick Arnaud doit répondre... |   |
| Chapter III  | River Hydraulics  | Mr. K.N. Sharma, Secretary, ICID  | Revision completed.    | Revision completed. | To be revised  |   |
| Chapter IV   | Reclamation<br>BM more related to soil science than reclamation | Mr. Vincent Bernard (Cemagref, France)  | Revision awaited       |                     | Revision awaited   | Reminded on Nov 6 <sup>th</sup> , and on March 28 <sup>th</sup> . |
| Chapter V    | Headworks   | Mr. K.N. Sharma, Secretary, ICID  | Revision completed.    | Revision completed. | To be revised  |   |
| Chapter VI   | Design of Irrigation Canals                                     | Er. M. Gopalakrishnan, Secretary General, ICID & Mr. K.N. Sharma, Secretary, ICID | Revision completed.    | Under revision.     | To be revised  |   |
| Chapter VII  | Canal Structures  | Er. M. Gopalakrishnan, Secretary General, ICID & Mr. K.N. Sharma, Secretary, ICID | Revision completed.    | Revision completed. | To be revised  |   |
| Chapter VIII | Project Water Management  | Dr. C.D. Thatte, Secretary General Hon. ICID (India)                              | 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 IX    | Wells and Drilling   | Expert to be identified                              | Mr. Vincent Bernard is trying to identify an expert.<br>To be revised by a French delegate |                     | To be revised by a French delegate                      | Reminded on Nov 6th.   |
| 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.  | Under revision.     | To be revised   | Due to lack of response from Mr. Felix B. Reinders, the Chapter was revised in the CO. |
| Chapter XII   | On-Farm Water Management                                     | Mr. K.N. Sharma, Secretary, ICID                     | Revision completed.  | Under revision.     | To be revised   | Due to lack of response from Mr. Felix B. Reinders, the Chapter was revised in the CO. |
| Chapter XIII  | Design and Construction of Drainage Systems                  | Prof. Bart. Schultz (The Netherlands)                | Revision completed.  | Revision completed. | To be revised   |  |
| 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 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. | To be revised   |  |
| Chapter XVIII | Soil & Water Conservation                                    | Mr. Laurie C. Tollefson (CANCID)                     | Revision completed.  | Revision completed. | FR version to be revised                                |  |



| Chapter       | Title                 | To be reviewed by                     | Status English version                      |                     | Status French version                       | Remarks  |
|---------------|-----------------------|---------------------------------------|---|---------------------|---|--|
|               |                       |                                       | Revision by Expert                          | Revision by EC      |   |  |
| 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 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 | Half of the terms are stated to be obsolete and need replacement by existing online resources. |
| Chapter XXII  | Systems Analysis      | Dr. Pierre-Olivier Malaterre (France) | Revision completed.                         | Revision completed. | Final version proposed by P.O.Malaterre     |  |
| Chapter XXIII | Hydraulic Research    | Prof. Javad Farhoudi (Iran)           | Revision completed.                         | Revision completed. | To be revised                               |  |
| Chapter XXIV  | Project Planning      | Prof. Istvan Ijjas (Hungary)          | Revision completed.                         | Revision completed. | To be revised                               |  |
| Chapter XXV   | Climate Change        | Mr. K.N. Sharma, Secretary, ICID      | Terms proposed                              | Revision completed. | To be revised                               |  |

**AGENDA 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**

**Year of Establishment: 2005****Completion of the Mandate: 2008**

**Members:** (1) Dr. Mark Svendsen, Chairman (USA, 2006); (2) Dr. Tsugihiko Watanabe, Vice Chairman (Japan, 2006); (3) Prof. Roland E Schulze, Secretary (South Africa, 2006); (4) Dr. Henri Tardieu (France, 2006); (5) Dr. Karim Shiati (Iran, 2006); and (6) Secretary General, ICID.

**Permanent Observers:** (i) Mr. Avinash C. Tyagi (WMO); (ii) Dr. Claudia Ringler (IFPRI); (iii) IWMI Representative; (iv) FAO Representative.

**Item 1 : Confirmation of the minutes of the 1<sup>st</sup> meeting of the Working Group held at Kuala Lumpur**

The minutes of the 1<sup>st</sup> meeting of the Working Group held at Kuala Lumpur in September 2006 will be confirmed.

**Item 2 : Review of membership**

**2.1 New nominations**

Following new nominations were received for the membership of the Working Group –

- Dr. Keith Weatherhead (Great Britain)
- Prof. Yuansheng Pei (China)
- Mr. Kim Russell (Australia)
- Ms. Nurgül Üzücek (Turkey)
- Dr. Juan A. Rodriguez-Diaz (Spain)

CVs of these nominees will be tabled at the meeting.

**2.2 Past nominations**

Following nominations were deferred at the Kuala Lumpur meeting due to non-attendance of the nominees -

- Dr. Rolu P. Encarnacion (Philippines)
- Dr. Krishna Kumar Kanikicharla (India)
- Ir. C.W.J. Roest (The Netherlands)
- Prof. Dr. Daniele De Wrachien (Italy)
- Dr. Andre Musy (Canada)

The group may like to consider these nominations for the membership/ observer-ship of the Working Group.

It may be noted that representation of a member of the Working Group by any other representative of the concerned National Committee is not deemed to be a contribution by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

**A. CONTINUING ITEMS**

**Item 3 : To finalize the title of the working group**

At the 57<sup>th</sup> IEC meeting held at Kuala Lumpur, there was a discussion about the appropriateness of the WG title. There were a suggestion to change it to “Global Climate Change and Water” in place of the existing “Global Climate Change and Irrigation”. Dr. Svendsen, Chairman felt that the proposed name could be misleading and there was a

need to debate further. Dr. Salah Darghouth of the World Bank said that there were many international organizations working on GCC and water and ICID being essentially concerned with the agriculture water management should not dilute the working group's mandate by changing the word from 'irrigation' to 'water'. President Peter Lee suggested to keep the existing title and proposed that the Working Group/ PCTA to further discuss and arrive at an appropriate decision on the change of the title. The Central Office has circulated a letter to all members of the Group in April 2007 to solicit their opinion. The Group will discuss and propose its recommendation to PCTA.

**Item 4 : To prepare a work plan of the group**

The group initially proposed that it can complete its activities by 2008 at the meeting to be held at 20<sup>th</sup> ICID Congress at Lahore which was based on the anticipated momentum. The Chairman has suggested that a work plan of the group would be prepared at Sacramento based upon the feedback received and discussions during the meeting.

**Item 5 : Webpage of the working group**

During the visit to the Central Office on 11 June 2007, Dr. Svendsen told that he is in touch with Mr. Markus Staas of Interactive Web Design to develop a website for WG-CLIMATE. Chairman will apprise further developments in the meeting.

**Item 6 : Possible WG activities at Lahore Congress**

The Group will discuss on the possible activities (workshops, publications etc.) to be held at the Lahore meeting in 2008.

**Item 7 : Workshop on 'GCC and Implications for Water Resources Management'**

As decided at the Kuala Lumpur meeting, the Chairman had circulated a framework of the half-day workshop on "GCC and Implications for Water Resources Management" scheduled to be held on 4 October 2007 at Sacramento. In consultation with the Chair, the Central Office has circulated the workshop information to all National Committees to solicit their contribution and participation in the workshop. The Chairman will brief the programme of the workshop in the meeting.

In order to gather views/ concerns about the GCC, the Chairman had circulated a note among all Chairs of the ICID workbodies, to which there has been a good response from many WG Chairmen. Dr. Svendsen has compiled all those responses/ feedback and is shown as **Annex**. These responses and any other additional responses received will be discussed during the meeting. The Chairman has proposed to culminate this work in a symposium or workshop on *GCC and Irrigation* at a subsequent international meeting.

**Item 8 : Liaison with other International Organizations**

ICID had indicated during the International Water Associations' Liaison Committee (IWALC) meeting in March 2007 in Antalya that it would provide input on '*Global Climate Change and Irrigation*'. This was in due consideration to an invitation extended to IWALC by WWC and UNESCO. The World Water Assessment Report (*to be released during 5<sup>th</sup> WWF, Istanbul*) will also draw inputs from submissions of all water related organizations. A brief by each organization touching upon such aspects as "*what particular implications they have to cite and the breakthrough to cope up the consequences*" is anticipated from them. The name and e-mail address of the expert, whose advice on the subject is of value to IWALC / WWC / UNESCO-IHP, may also be provided.

ICID which hosts the IWALC Secretariat will assemble the different organizations' response and transmit them to WWC / UNESCO. Members may wish to note and provide their input.

**Item 9 : Any other business**

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**WORKING GROUP ON GLOBAL CLIMATE CHANGE AND IRRIGATION (WG-CLIMATE)**  
**CLIMATE CHANGE-RELATED TOPICS IN IRRIGATION, DRAINAGE, AND FLOOD CONTROL:**  
**SUGGESTIONS RECEIVED FROM OTHER WORKING GROUPS**

**Mark Svendsen**  
**Chair, WG-CLIMATE**

**Preface**

Global climate change (GCC) has impacts that extend into many areas of interest to the ICID community. Consequently, GCC-related issues affect the subjects of a majority of the numerous ICID work bodies in various ways. To gather their views, WG-CLIMATE polled the chairs of all WGs by email last fall and asked them to identify the three most important GCC-related issues relative to the topic of their WG. Chairpersons' responses were compiled and incorporated into the following note. The note lists issues arising out of expected GCC impacts which are important and which would seem to be within the ICID scope. The list is not comprehensive, by any means, and it reflects the thoughts of the WG chairman only, in addition to those of other WG Chairs.

**Topics*****Irrigation Development***

- Hydrologic design tools that take into account trends in precipitation and runoff statistical distributions, i.e. where distribution parameters are changing with time
- Flexible designs for new or rehabilitating systems which will accommodate projected changes in climate parameters where the direction of change is known but levels are imprecise
- Innovative ways to replace snow-pack and glacial storage being lost to higher temperatures
- Assessing risks to coastal groundwater aquifers posed by rising sea levels.

***Irrigation Management***

- Changes in reservoir operations (especially in snowmelt-fed basins) to accommodate changed inflow hydrographs
- Changes in irrigation delivery schedules to accommodate temperature-driven increases in ET
- Water management practices and allocation mechanisms to reduce water use and to share increased scarcity of supply across a system, including higher efficiencies, deficit irrigation, and fallowing
- Changes in O&M practices to adjust to faster aquatic weed growth, new invasive weed species, and expanding range of human disease vectors, such as mosquitoes in irrigation systems
- Changes to systems of water rights as the availability of the underlying resource changes
- Reducing energy use in irrigation water supply.

***Crops***

- Revised crop water use tables, taking into account higher temperatures, higher wind speeds, higher relative humidity and other governing climatic factors
  - Models of crop yields under different conditions of temperature, CO<sub>2</sub> concentration, ozone concentration, and other GCC-influenced factors
  - Role of irrigated agriculture in providing carbon sequestration services
  - Role of irrigated agriculture in producing raw materials for bio-fuels
-

**Environment**

- Adjusting environmental impact assessment procedures for new irrigation development to accommodate shifting ranges of critical species, e.g. protected fish species
- Adjusting irrigation management practices in response to downstream habitats and species distributions changing as a result of GCC.

**Institutions**

- Policy and institutional changes to allow more inclusive, responsive, and information-based sector management (IWRM) as GCC-related changes compound those driven by population growth, industrialization, changing diets, and accumulating environmental damage
- Insurance, retraining, migration assistance and other safety net schemes to assist those small farmers and agricultural laborers whose livelihoods are diminished or destroyed by rising temperatures and reduced and more erratic rainfall.

**Floods**

- Models of flood peaks and return intervals under changed runoff regimes
- Assessments of risk from changed flooding patterns and continuing settlement and development in flood plains
- Assessments of impacts of higher sea levels on coastal agriculture.

**Poverty**

- Low-cost micro irrigation equipment for rainfed farmers in areas where rainfed agriculture is compromised or made impossible by GCC.

**Regions**

- Although all regions will experience hydrologic and agricultural changes and dislocations, Africa is widely regarded as the region most at risk; what role is possible for irrigation there in mitigating and reversing the negative impacts on agriculture, considering GCC effects on both supply and demand.

**GCC-related Priorities and Comments from Other WG Chairs****Working Group on Drainage (WG-DRG)**

1. Drainage design and planning during periods of drought (going through one right now in Australia)
2. More frequent occurrence of high rainfall events
3. Secondary effects of pollution more severe

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

1. In general, floods as such will probably get higher peaks and more intensive dry periods. The impact on water management and the way how a more proper system of integrated water management must develop and adapted for a specific case has to be inventorized.
  2. Furthermore, behind flood defense systems automatic investments and population continue increasing wherever. As a result, risk will increase, the more so because of climate change. Costs for the implementation and maintenance of proper flood defense systems are always a problem, and will be even become more. It stands to reason that the financing as such should be covered more and more with some kind of insurance system, tailor made for a specific case.
  3. Because integrated water management will be more and more important when climate change will have an impact on the water resources as available, per country institutional reform is unavoidable. With best practices, lessons learned elsewhere, etc. a specific pragmatic approach is needed.
-

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

The WG-ON-FARM is mostly involved with the technical "hardware" of irrigation and GCC will most probably not impact on our activities.

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

In the case of WG-CBTE, I think the linkage is probably in the other direction – how can we build capacity to deal with the potential impacts of global warming? We are thinking along the lines of a possible topic in our forthcoming issue of I&D on capacity-building.

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

The Working Group on Young Irrigation Professionals Forum has specific issues being directly addressed with GCC in our working group but we are intending to hold a workshop during ICID annual meeting to be held in Lahore, Pakistan, 2008 and young professionals will be presenting papers in which we could also add the GCC issue amongst the sub-themes of the workshop.

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

1. Impact of change precipitation, temperature and humidity of air on the water resources of region.
2. Impact of glacier melting on the rivers flow.
3. Impact of climate change on the water consumption of crops.

***Asian Regional Working Group (ASRWG)***

The activities of WG-CLIMATE will [be] solicited and [make] useful contribution in the activity of Item 8 of Asian Regional WG which deals with development of an Integrated Water Resources Management (IWRM) for Mekong River Basin Sharing Model. Beside it will be useful if both WGs have link in their Homepage.

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**AGENDA FOR 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****Year of Closure 2007**

**Members :** (1) Prof. Tom Franks, Chairman, 2003 (UK, 1996); (2) Mr. A. Delacourt, Secretary (France, 1996); (3) Dr. M. Satoh (Japan, 1998); (4) Dr. Ferri Putuhena (Indonesia, 1999); (5) Mr. Hu Heping (China, 1999); (6) Dr. Muhammad Latif (Pakistan, 2002); (7) Mr. S.K. Das (India, 2003); (8) Prof. Dr. Atef Hamdy (Italy, 2004); (9) Prof. Dr. (Mrs.) Dalal S. Alnaggar (Egypt, 2004); (10) Mrs. Ir. Catharien Terwisscha van Scheltinga (The Netherlands, 2004); (11) Prof. Dorota Z. Haman (USA, 2004); (12) Mr. Kim Russell (Australia, 2005); (13) Mr. Joseph Benjamin Stevens (South Africa, 2006); (14) Prof. Chen-Wuing Liu (Chinese Taipei, 2006); (15) Vice President Hon. Javad Farhodi (Iran, 2006); (16) Er. M. Gopalakrishnan, Secretary General/Mr. K.N. Sharma, Secretary, ICID.

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

**Item 1 : Confirmation of the Minutes of the 11<sup>th</sup> Meeting Held in Kuala Lumpur, Malaysia on 11 September 2006**

No comments received. Minutes may be considered for confirmation.

**Item 2 : Activities Performed by the WG-CBTE during its Tenure (1995-2006)**

Main activities carried out by the WG-CBTE during its tenure are:

**Item 2.1 : Meetings Conducted**

Conducted eleven meetings – one in each year, starting from 1995 to 2006:.

- 1<sup>st</sup> meeting held on 20 September 1996 in Cairo, Egypt,
- 2<sup>nd</sup> meeting held on 8 September 1997 in Oxford, UK,
- 3<sup>rd</sup> meeting held on 20 July 1998 in Bali, Indonesia,
- 4<sup>th</sup> meeting held on 13 September 1999 in Granada, Spain,
- 5<sup>th</sup> meeting held on 24 October 2000 in Cape Town, South Africa,
- 6<sup>th</sup> meeting held on 18 September 2001 in Seoul, Korea,
- 7<sup>th</sup> meeting held on 22 July 2002 in Montreal, Canada,
- 8<sup>th</sup> meeting held on 16 September 2003 in Montpellier, France,
- 9<sup>th</sup> meeting held on 7 September 2004 in Moscow, Russia,
- 10<sup>th</sup> meeting held on 12 September 2005 in Beijing, China and
- 11<sup>th</sup> 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**

Organized four workshops as per the details given below:

**Item 2.2.1 : First in Montpellier in 2003 during 54<sup>th</sup> 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 55<sup>th</sup> 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 Egypt, Ukraine and Zambia 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 19<sup>th</sup> Congress and 56<sup>th</sup> 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 Jardinot)
  - 4. Capacity Development Strategies : Lessons From Promoting Farmer Innovation (PFI) in East Africa (Bancy M. Mati)
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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 57<sup>th</sup> 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 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 4 WWF**

The IPTRID of FAO in collaboration with UNESCO-IHE, Institute for Water Education, ICID and Water Resources 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 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.

#### **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.

#### **Item 2.5 : Preparation of FAO Database on Education and Training Opportunities**

The Water Resources, Development and Management Service of FAO has developed several tools to be used as information systems in the field of sustainable development of scarce fresh water resources. The FAO tools include information systems with statistics on rural water use, software on crop water requirements and irrigation management and planning, and training material for people involved in irrigation and drainage development.

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 prepared 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.

#### **Item 3 : In-line issue of Irrigation and Drainage on Capacity Development by WG-CBTE**

The WG-CBTE in its 11<sup>th</sup> 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 has been 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 15 abstracts and is now in the process of receiving the drafts (full-length papers). 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.

#### **Item 4 : Constitution of a Successor Workbody for WG-CBTE**

In the 11<sup>th</sup> 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 WG-CBTE also noted that there are a variety of opportunities for ICID to continue the work on topic on Capacity Building such as:

- Building on the outputs of the 4WWF with a view to provide input to further activities at 5WWF
- Possibility of working more closely with WG-R&D
- Working at the system level in the I&D sector on the topic ‘Managing Changes in Organizations’ and
- Capacity-building for participatory irrigation management.

While deliberating on the issue, it was also mentioned that a clear focus and a strong leadership are essentially required for creating a successful Working Group. The Group decided to have a clear break between the existing WG-CBTE and any successor Workbody of WG-CBTE.

#### **Item 5 : Any other Business**

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| <p style="text-align: center;">AGENDA FOR THE SIXTEENTH MEETING OF THE<br/><b>COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&amp;P)</b><br/>Sacramento, USA<br/>01 October 2007: 09.00-12.00 hours<br/><i>Strategy Theme: Knowledge</i></p> |
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**Year of Establishment: 1992**

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

**Ex-Officio Member:** (1) Mr. Satit Maneepai (Thailand).

**Item 1 : Confirmation of minutes of the 15<sup>th</sup> meeting of the C-PR&P held in Kuala Lumpur, Malaysia on 11 September 2006**

No comments received. The minutes may be considered for confirmation.

**Item 2 : Bifurcation of C-PR&P into two Workbodies**

The C-PR&P in its 15<sup>th</sup> meeting recommended that the present C-PR&P be split into two workbodies – one to look into the Public Relations aspects and periodical publications of ICID viz., the Newsletter, News Update, Website and the Annual Report, and the other to look after the ICID Technical Publications.

VPH Larry Stephens subsequently suggested in the PCTA meeting held at Kuala Lumpur for reorganization of the C-PR&P to focus only on the Public Relations aspects and to transfer the Publication Issues to another Workbody that would include the ICID Journal, Directory and other ICID Publications.

While deliberating on the matter in the 57<sup>th</sup> IEC meeting, it was mentioned that the Committee could report to PCTA while the proposed Workbody to PCSPOA.. As the Chairs of PCTA and PCSPOA are the members of the ICID Management Board (MB), it was decided to discuss the matter in the MB meeting.

The compositions of the two Workbodies are under consideration of the MB and will be communicated to the C-PR&P at the meeting.

**Item 3 : Review of membership of the Committee**

The issue of members who neither attended the meetings nor made any contributions for the last three consecutive years (2004, 2005 and 2006), namely, (i) Ir. Paul van Hofwegen (The Netherlands); (ii) Prof. Hsieh, Yung-Hsu (Chinese Taipei); (iii) Ms. Anne Currey (Australia); (iv) VPH Dia El-Din Ahmed El Quosy (Egypt); (v) Mr. Hassan Rahimi (Iran); and (vi) Dr. Atef Hamdy (Italy) including the deferred members Mr. Yitbarek Mengiste Tedia (Ethiopia) and Mr. Raqib Khan (Pakistan) was taken up with their respective National Committees.

Requests were made to the concerned National Committees vide e-mail dated 22 December 2006 and 14 April 2007 to come up with their confirmation regarding membership. Accordingly, response from the Netherlands National Committee was received indicating that the membership of Ir. Paul van Hofwegen in C-PR&P would be continued until the year 2008. Responses from other National Committees are awaited.

Attendance of the members at the meetings of the Committee in 2005 and 2006 will be presented at Sacramento.

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## A. CONTINUING ITEMS

### Item 4 : ICID publications which are brought out/under processing

#### 4.1 Publications brought out during the period 2006-2007

The main ICID publications which were brought out during the period 2006-2007 under regular category are:

- (i) Four quarterly issues of ICID Newsletters,
- (ii) 12 issues of monthly ICID News Updates,
- (iii) Annual Report for the period 1 April 2005 to 31 March 2006, and
- (iv) Updated version of ICID Directory.

In addition to the regular publications, the other special documents released by CO, ICID during the period from 1 April 2006 to 31 March 2007 were:

1. Ragab Ragab (ed.), 2006. Proceedings of the International Workshop on Water Saving Practices in Rice Paddy Cultivation, 14-15 September 2006, Kuala Lumpur, Malaysia, ICID, Central Office, New Delhi, ICID Publication No. 85, pp 99 + CD-ROM.
2. Ragab Ragab and Sasha Koo-Oskim (eds.), 2006. Proceedings of the International Workshop on Environmental Consequences of Irrigation with Poor Quality Waters: Sustainability, Management and Institutional, Water Resources, Health and Social Issues, September 2006, Kuala Lumpur, Malaysia, ICID, Central Office, New Delhi, ICID Publication No. 86, pp 183 + CD-ROM.
3. Sne, Moshe, 2006. Micro Irrigation in Arid and Semi-arid Regions: Guidelines for Planning and Design, ICID, Central Office, New Delhi, ICID Publication No. 87, pp 126.
4. Water Supply, Water Demand and Agricultural Water Scarcity in China: A Basin Approach, ICID, New Delhi, CPSP Report No. 11, December 2005, (published in 2006) ICID Publication No. 89, pp 26.
5. WATERSIM, ICID, New Delhi, CPSP Report No. 12, December 2005 (published in 2006), ICID Publication No. 90, pp 24.
6. Strategies for Irrigation and Drainage Sector in India, ICID, New Delhi, CPSP Report No. 13, April 2006, ICID Publication No. 91, pp 75.
7. Option and Strategies for Future Development of Water Sector in India, CPSP Report No. 14, December 2005, (published in 2006), ICID Publication No. 92, pp 80.
8. Workshop on Scenario Development for Basin Management, 27 November 2006, New Delhi, India: A Brief Report on Country Policy Support Programme (CPSP), 2006, CPSP Publication No. 93, pp 32.

#### 4.2 ICID Publications under processing

The main ICID publications which are under processing are:

- Annual Report 2006-2007
  - Agendas/Minutes of 58<sup>th</sup> IEC
  - Various issues of Newsletters and News Update
  - History of Irrigation, Drainage and Flood Control in Eastern Asia as well as in Southern Europe and Mediterranean (WG-HIST)
  - Sustainable Development of Tidal Areas (WG-SDTA)
  - CD-ROM version of the revised Multilingual Technical Dictionary (WG-CD)
  - Innovative Technology and Management of Water Saving in Irrigated Agriculture (WG-WATS)
  - Irrigation under Drought and Water Scarcity (WG-IADWS)
  - Inter Basin Water Transfers : Worldwide Experiences - Analyses and Recommendations (TF-IBWT)
  - Manual for Performance Evaluation of Sprinkler and Drip Irrigation Systems in different Agro-Climatic Regions of the World (WG-ON-FARM).
  - CD-ROM of TF Reports (TF2-TF5).
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A synoptic table showing the present status of ICID publications (both under regular and special categories) that are under processing/proposed and completed is given in **Annex 1**.

**Item 5 : Sale of ICID publications/Congress Transactions during the period 2006-2007**

**5.1 Sale of ICID Publications**

A statement showing the sale of ICID publications during the period 2006-2007 is kept at **Annex 2**.

**5.2 Sale of ICID Congress Transactions**

The Committee during the last meeting based on the ICID By-laws 5.9.1(a) – Obligation of the host National Committee for a Congress, Symposium, Special Session, Seminar etc. noted that the procedures for printing Congress Transactions should be revised so that the Central Office can recover the full cost of production and shipping of transactions to Congress Organizing Committee. National Committee is expected to pay full cost for all of the transactions they order.

ICID By-laws 5.9.3 and 5.9.4 also stipulate the procedure to be followed for transactions that are to be ordered from the Central Office and supplied to them. By provision 5.9.4(c), the sets of transactions once supplied, shall be non-refundable. The National Committees hosting the Congress are obliged to meet the cost of the excess copies (including airmail charges), if the ordered copies are more than the number of delegates registering for the Congress.

The matter was discussed with Dr. Illahi B. Shaikh, Chairman/Convenor, C-CONGR and Chairman, PANCID, the host National Committee of the forthcoming 20<sup>th</sup> Congress of ICID. PANCID agreed to keep this matter in view.

**Item 6 : Report of Joint Editors of ICID Journal**

Five issues of the peer reviewed Journal were released during the period 2006 to 2007 with a total coverage of 687 pages. A Special Issue on "Integrated Flood Management" (Supplement No. 1) covering 16 papers (S-174 pages) had also been published by M/s John Wiley & Sons (UK).

In the last meeting, the agenda item on Journal was not discussed due to the absence of the Journal Editor in the meeting.

**Item 7 : To review the progress of electronic version of "Irrigation and Drainage in the World - A Global Review"**

In response to the Central Office circular to the National Committees for providing their support and information for updating the data pertaining to River Basins/Water Transfer Projects (existing, on-going and proposed) of various countries, Japan, Spain, South Africa, USA, UK, China, Pakistan, The Netherlands, Iran, Czech Republic and Chinese Taipei have replied.

The Central Office is pursuing the matter with the remaining National Committees; the updating of the text by way of incorporating the data received from the National Committees and downloading from the internet services has been accomplished.

**Item 8 : Review of ICID website**

**8.1 Consideration of improvements needed for making the ICID website more user friendly**

In the last meeting, the Committee members made an extensive review of the ICID website. It was noted that the website continues to improve and the suggestions made by the Committee have been implemented. The Committee may consider the aspects which may require for further upgrading of the ICID website.

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## 8.2 Establishment of new hyperlink “Advertisers Catalogue” and further modifications, if any, needed

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

The Committee may consider the issues, if any, that are to be added for making the site more user friendly.

### Item 9 : Establishment of websites by various Workbodies of ICID

The Central Office has hired additional space on a server and registered a domain name [www.icid.online.org](http://www.icid.online.org) for enabling the Workbodies to correctly access their respective webpages. A file transfer protocol (FTP) has also been made available to each Chair for providing them a free hand to upload and amend any information related to his/her workbody without any assistance from the Central Office.

In the 15<sup>th</sup> meeting, the Committee appreciated the efforts carried out by the Central Office and encouraged all the Workbodies to develop individual web pages as a part of the ICID main website.

As per the advice of PCTA in its meetings since 2000, the following Workbodies have established individual webpages for projecting their activities within the ICID website:

|            |   |   |
|------------|---|---|
| ERWG       | : | <a href="http://www.erwg.icidonline.org/">http://www.erwg.icidonline.org/</a>                                     |
| WT-HIST    | : | <a href="http://www.wg-hist.icidonline.org/">http://www.wg-hist.icidonline.org/</a>                               |
| WG-SDTA    | : | <a href="http://www.wg-sdta.icidonline.org/">http://www.wg-sdta.icidonline.org/</a>                               |
| AFRWG      | : | <a href="http://www.afrwg.icidonline.org/">http://www.afrwg.icidonline.org/</a>                                   |
| WG-YPF     | : | <a href="http://www.wg-ypf.icidonline.org/">http://www.wg-ypf.icidonline.org/</a>                                 |
| WG-IADWS   | : | <a href="http://www.wg-iadws.icidonline.org/">http://www.wg-iadws.icidonline.org/</a>                             |
| ASRWG      | : | <a href="http://www.asrwg.icidonline.org/">http://www.asrwg.icidonline.org/</a>                                   |
| C-CONGR    | : | <a href="http://www.c-congr.icidonline.org/">http://www.c-congr.icidonline.org/</a>                               |
| WG-DRG     | : | <a href="http://www.wg-drg.icidonline.org/">http://www.wg-drg.icidonline.org/</a>                                 |
| AC-IPTRID  | : | <a href="http://www.fao.org/landandwater/iptrid/index.html">http://www.fao.org/landandwater/iptrid/index.html</a> |
| WG-R&D     | : | <a href="http://www.wg-rd.icidonline.org/">http://www.wg-rd.icidonline.org/</a>                                   |
| WG-MIS     | : | <a href="http://www.wg-dmis.icidonline.org/">http://www.wg-dmis.icidonline.org/</a>                               |
| WG-CROP    | : | <a href="http://www.wg-crop.icidonline.org/">http://www.wg-crop.icidonline.org/</a>                               |
| WG-CBTE    | : | <a href="http://www.wg-cbte.icidonline.org/">http://www.wg-cbte.icidonline.org/</a>                               |
| WG-PQW     | : | <a href="http://www.wg-pqw.icidonline.org/">http://www.wg-pqw.icidonline.org/</a>                                 |
| EB-JOUR    | : | <a href="http://www.icid.org/wiley_journal.html">http://www.icid.org/wiley_journal.html</a>                       |
| WG-ON-FARM | : | <a href="http://www.wg-on-farm.icidonline.org/">http://www.wg-on-farm.icidonline.org/</a>                         |
| WG-CD      | : | <a href="http://www.wg-cd.icidonline.org/">http://www.wg-cd.icidonline.org/</a>                                   |
| WG-ILWRM   | : | <a href="http://www.wg-ilwrm.icidonline.org/">http://www.wg-ilwrm.icidonline.org/</a>                             |
| WG-WATS    | : | <a href="http://www.icid.org/index_e.html">http://www.icid.org/index_e.html</a>                                   |
| WG-SOCIO   | : | <a href="http://www.wg-socio.icidonline.org/">http://www.wg-socio.icidonline.org/</a>                             |
| WG-CAFM    | : | <a href="http://www.wg-cafm.icidonline.org/">http://www.wg-cafm.icidonline.org/</a>                               |
| WG-CLIMATE | : | <a href="http://www.wg-climate.icidonline.org/">http://www.wg-climate.icidonline.org/</a>                         |

Each webpage provides list of members, agenda of present and past meetings, list of publications which are published earlier and in pipeline, announcement of workshops, seminars, etc. All interested professionals / stakeholders and workbody members are encouraged to access the webpages for relevant information and forward their suggestions/views to the respective Chairs for further upgradation.

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**Item 10 : Review of quarterly Newsletter of ICID**

President Peter Lee requested that a small Work Team be constituted to take charge of reviewing and commenting on the Newsletter, following each issue. Mr. Stephen Mills (Australia), VPH Javad Farhoudi (Iran), VPH Alain Vidal (France) and Ms. Anne Currey (Australia) agreed to serve in the initial review team.

Accordingly, the Central Office forwarded earlier issues of the quarterly ICID Newsletter to the members of the constituted Work Team to review and provide comments on the Newsletter issues.

Responses are awaited. The Committee may like to deliberate.

**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 reports prepared by the Task Forces 2, 3, 4 and 5 are available on the ICID website and will be published on a CD-ROM for the Sacramento meetings.

- 11.5 TF-LDCsAS:** Proceedings of the 1<sup>st</sup> and 2<sup>nd</sup> Special Sessions and the Task Force Report on Least Developed Countries in Asia. These are proposed to be published on a CD-ROM by the Sacramento meeting in September/October 2007.

**Item 12 : Revision of ICID publications**

There are about 30 ICID publications which were published by the year 2000. Some of the publications were well received by various National Committees and stakeholders. The publications are shown at **Annex 3**. As the publications are not revised (except the books under Sl. No. 9 and 28) after their first release, the Committee may like to take up the matter regarding the possibility of revision of some of the publications which will be helpful in the fulfillment of ICID mission objectives.

**Item 13 : Any other business**

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## COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&amp;P)

Synoptic Table of Present Status of ICID Publications (Regular/Special) in  
Processing/Completed/Proposed during the period 2007-2008

| Sr. No.   | Name of publication | Editorial team | Expected date of finalization of MSS | No. of MSS pages        | No. of copies likely to be sold | No. of copies proposed to be printed | Estimated printing cost | Expected date of publishing | Remarks   |
|---|---------------------|----------------|--------------------------------------|-------------------------|---------------------------------|--------------------------------------|-------------------------|-----------------------------|---|
| A. REGULAR PUBLICATIONS IN PROCESSING/COMPLETED |                     |                |                                      |                         |                                 |                                      |                         |                             |   |
| 1.  | Annual Report       |                |                                      |                         |                                 |                                      |                         |                             |   |
|   | 2006 (E)            | C.O.           |                                      | 80                      | –                               | 300                                  | Rs. 61, 000             | Jul-07                      | To be published.                                      |
|   | 2007 (E)            | C.O.           |                                      | 80                      | –                               | 300                                  | Rs. 61, 000             | Jul-08                      |   |
|   | 2008 (E)            | C.O.           |                                      | 80                      | –                               | 300                                  | Rs. 70,000              | Jul-09                      |   |
|   | 2009 (E)            | C.O.           |                                      | 80                      | –                               | 300                                  | Rs. 70, 000             | Jul-10                      |   |
| 2.  | Agenda IEC (E)      |                |                                      |                         |                                 |                                      |                         |                             |   |
|   | 2007 (E)            | C.O.           |                                      | 350(E)                  | –                               | 250(E)                               | Rs. 80,000              | 2007                        | To be published.                                      |
|   | 2008 (E)            | C.O.           |                                      | 350(E)                  | –                               | 250(E)                               | Rs. 80,000              | 2008                        |   |
|   | 2009 (E)            | C.O.           |                                      | 350(E)                  | –                               | 250(E)                               | Rs. 80,000              | 2009                        |   |
|   | 2010 (E)            | C.O.           |                                      | 350(E)                  | –                               | 250(E)                               | Rs. 80,000              | 2010                        |   |
| 3.  | Minutes IEC (E)     |                |                                      |                         |                                 |                                      |                         |                             |   |
|   | 2007 (E)            | C.O.           |                                      | 300(E)                  | –                               | 185(E)                               | Rs. 75, 000             | Oct 2007                    | To be published.                                      |
|   | 2008 (E)            | C.O.           |                                      | 300(E)                  | –                               | 185(E)                               | Rs. 75, 000             | Oct 2007                    |   |
|   | 2009 (E)            | C.O.           |                                      | 300(E)                  | –                               | 185(E)                               | Rs. 80, 000             | Oct 2007                    |   |
|   | 2010 (E)            | C.O.           |                                      | 300(E)                  | –                               | 185(E)                               | Rs. 80, 000             | Oct 2007                    |   |
| 4.  | Newsletter (E)      |                |                                      |                         |                                 |                                      |                         |                             |   |
|   | 2007 (4 issues) (E) | C.O.           |                                      | 48 pages – 4 colours    | –                               | 500(E)                               | Rs. 88, 000             | Feb., May, Aug., Nov. 2007  | 1 <sup>st</sup> and 2 <sup>nd</sup> issues published. |
|   | 2008 (4 issues) (E) | C.O.           |                                      | 48 pages – 4 colours    | –                               | 500(E)                               | Rs. 88, 000             | Feb., May, Aug., Nov. 2008  |   |
|   | 2009 (4 issues) (E) | C.O.           |                                      | 48 pages – 4 colours    | –                               | 500(E)                               | Rs. 88, 000             | Feb., May, Aug., Nov. 2009  |   |
|   | 2010 (4 issues) (E) | C.O.           |                                      | 48 pages – 4 colours    | –                               | 500(E)                               | Rs. 88, 000             | Feb., May, Aug., Nov. 2010  |   |
| 5.  | News Update (E)     |                |                                      |                         |                                 |                                      |                         |                             |   |
|   | 2007 (12 issues)    | C.O.           |                                      | 4 pages – single colour | -                               | 1000(E)                              | Rs. 36,000              | January to December         | Five issues published.                                |
|   | 2008 (12 issues)    | C.O.           |                                      | 4 pages – single colour | -                               | 1000(E)                              | Rs. 36,000              | January to December         |   |

| Sr. No.   | Name of publication  | Editorial team  | Expected date of finalization of MSS | No. of MSS pages        | No. of copies likely to be sold | No. of copies proposed to be printed | Estimated printing cost | Expected date of publishing | Remarks                |
|---|--|-----------------|--------------------------------------|-------------------------|---------------------------------|--------------------------------------|-------------------------|-----------------------------|------------------------|
|   | 2009 (12 issues)   | C.O.            |                                      | 4 pages – single colour | -                               | 1000(E)                              | Rs. 36,000              | January to December         |                        |
|   | 2010 (12 issues)   | C.O.            |                                      | 4 pages – single colour | -                               | 1000(E)                              | Rs. 36,000              | January to December         |                        |
| <b>A. SPECIAL PUBLICATIONS (COMPLETED)</b>        |  |                 |                                      |                         |                                 |                                      |                         |                             |                        |
| 1.  | Water Supply, Water Demand and Agricultural Water Scarcity in China: A Basin Approach, CPSP Report No. 11  | C.O.            | 2006                                 | 26                      | Free                            | 80                                   | Rs. 38,838              | September 2006              | Published.             |
| 2.  | WATERSIM, CPSP Report No. 12   | C.O.            | 2006                                 | 24                      | Free                            | 70                                   | Rs. 7,000               | September 2006              | Published.             |
| 3.  | Strategies for Irrigation and Drainage Sector in India, CPSP Report No. 13   | C.O.            | 2006                                 | 75                      | Free                            | 25                                   | Rs. 39,100              | September 2006              | Published.             |
| 4.  | Option and Strategies for Future Development of Water Sector in India, CPSP Report No. 14  | C.O.            | 2006                                 | 92                      | Free                            | 80                                   | Rs. 22,880              | September 2006              | Published.             |
| 5.  | Proceedings of the International Workshop on Water Saving Practices in Rice Paddy Cultivation, 14-15 September 2006, Kuala Lumpur, Malaysia  | C.O.            | 2006                                 | 85                      | Free                            | 150                                  | Rs. 49,150              | July 2006                   | Published.             |
| 6.  | Proceedings of the International Workshop on Environmental Consequences of Irrigation with Poor Quality Waters : Sustainability, Management and Institutional, Water Resources, Health and Social Issues, September 2006, Kuala Lumpur, Malaysia | C.O.            | 2006                                 | 183                     | Free                            | 150                                  | Rs. 73,944              | July 2006                   | Published.             |
| 7.  | Micro Irrigation in Arid and Semi-arid Regions : Guidelines for Planning and Design  | C.O.            | 2006                                 | 126                     | Priced                          | 500                                  | Rs. 121,800             | 2006                        | Published.             |
| 8.  | Workshop on Scenario Development for Basin Management, 27 November 2006, New Delhi, India : A Brief Report on Country Policy Support Programme (CPSP)  | C.O.            | 2006                                 | 32                      | Free                            | 75                                   | Rs. 7,100               | December 2006               | Published.             |
| <b>B. SPECIAL PUBLICATIONS (UNDER PROCESSING)</b> |  |                 |                                      |                         |                                 |                                      |                         |                             |                        |
| 1.  | 'Irrigation under Drought and Water Scarcity' (WG-IADWS)   | To be appointed | 2007                                 | NA                      | 100                             | 500                                  | Rs. 150,000             | 2008                        | Donor to be identified |
| 2.  | 'Towards Sustainable Development of Tidal Areas: Some Principles and Experiences' (WG-SDTA)  | To be appointed | 2007                                 | 350                     | 150                             | 500                                  | Rs. 200,000             | 2008                        | Donor to be identified |
| 3.  | CD-ROM version of the revised Multilingual Technical Dictionary (WG-CD)  | Appointed       | 2007                                 | NA                      | 200                             | 500 (CD-ROM)                         | Rs. 150,000             | 2007/2008                   | ICID publication       |

| Sr. No.                                   | Name of publication   | Editorial team  | Expected date of finalization of MSS | No. of MSS pages | No. of copies likely to be sold | No. of copies proposed to be printed | Estimated printing cost | Expected date of publishing | Remarks   |
|---|---|-----------------|--------------------------------------|------------------|---------------------------------|--------------------------------------|-------------------------|-----------------------------|---|
| 4.  | Innovative technologies and management for water saving in irrigated agriculture (WG-WATS)  | Formed          | August 2007                          | 250              | 100                             | 500                                  | Rs. 150,000             | October 2007                | ICID publication                                  |
| 5.  | Manual for performance evaluation of sprinkler and drip irrigation systems in different agro-climatic regions of the world (WG-ON-FARM) | Formed          | August 2007                          | 100              | 100                             | 500                                  | Rs. 200,000             | October 2007                | ICID publication. ITAL-ICID Support               |
| 6.  | History of Irrigation, drainage and flood control in Eastern Asia   | Appointed       | 2006                                 | 500              | 100                             | 500                                  | Rs. 100,000             | 2007                        | Donor to be identified                            |
| 7.  | History of irrigation, drainage and flood control in Southern Europe and the Mediterranean  | Appointed       | 2007                                 | 350              | 100                             | 500                                  | Rs. 80,000              | 2007                        | Donor to be identified                            |
| 8.  | Inter-Basin Water Transfers : Global Experiences – Analyses and Recommendations (TF-IBWT),  | To be Appointed | 2007                                 | 300              | -                               | 500                                  | Rs. 200,000             | November 2007               | Donor to be identified                            |
| 9.  | CD-ROM of TF Reports (TF2 to TF5)   | Not needed      | July 2007                            | -                | -                               | 500                                  | Rs. 30,000 CD-ROM       | August 2007                 |   |
| <b>C. SPECIAL PUBLICATIONS (PROPOSED)</b> |   |                 |                                      |                  |                                 |                                      |                         |                             |   |
| 1.  | Proceedings of the 1 <sup>st</sup> Special Session on Least Developed Countries in Asia'(TF-LDCsAS) (CD-ROM)                            |                 | Finalized                            | 50               | -                               | 200                                  | Rs. 25,000 (CD-ROM)     | 2007                        | Hard copies will be printed, if donor identified. |
| 2.  | Proceedings of the 2 <sup>nd</sup> Special Session of Task Force for Least Developed Countries in Asia (CD-ROM)                         |                 | Finalized                            | 50               | -                               | 200                                  | Rs. 25,000 (CD-ROM)     | 2007                        | Hard copies will be printed, if donor identified. |
| 3.  | Report of the Task Force for Least Developed Countries in Asia (CD-ROM)   | To be appointed | Under processing                     | 100              | -                               | 200                                  | Rs. 25,000 (CD-ROM)     | 2008                        | Hard copies will be printed, if donor identified. |

## COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&amp;P)

## Sale of ICID Publications in 2006-07 and Previous Years

| Sr No | Publication  | Year of Publishing | Copies Printed | Sales                    |                          |                          |                          |
|-------|--|--------------------|----------------|--------------------------|--------------------------|--------------------------|--------------------------|
|       |  |                    |                | 01.04.2003 to 31.03.2004 | 01.04.2004 to 31.03.2005 | 01.04.2005 to 31.03.2006 | 01.04.2006 to 31.03.2007 |
| 1.    | State-of-the-art-irrigation, drainage and flood control No. 3  | 1984               | 995            | -                        | 02                       | 01                       | 01                       |
| 2.    | ICID guidelines 106 – Development of bitumen concrete and membranes  | 1985               | 500            | -                        | 01                       | -                        | -                        |
| 3.    | Guide 106 de la CIID – Développement du beton bitumineux et de la membrane bitumineuse                             | 1985               | 250            | 01                       | 01                       | -                        | -                        |
| 4.    | Automated farm surface irrigation systems worldwide  | 1986               | 3700           | 05                       | 02                       | 02                       | -                        |
| 5.    | Automatisation des systemes d'irrigation de surface a travers le monde   | 1987               | 756            | 03                       | 01                       | -                        | -                        |
| 6.    | Design practices for covered drains in an agricultural land drainage system – A worldwide survey                   | 1987               | 1500           | 07                       | 02                       | 01                       | -                        |
| 7.    | Improvement in irrigation management with special reference to developing countries, state-of-the-art No. 4        | 1987               | 1000           | -                        | 01                       | 01                       | 01                       |
| 8.    | Guide methodologique pour l'acquisition d'un systeme informatique leger par des gestionnaires de ressources en eau | 1989               | 200            | -                        | -                        | -                        | -                        |
| 9.    | Guidelines on the construction of horizontal subsurface drainage systems   | 1990               | 500            | 03                       | 01                       | -                        | 01                       |
| 10.   | A guide to acquiring a computer system for the management of water resources                                       | 1992               | 500            | 01                       | 01                       | 01                       | 01                       |
| 11.   | Criteres de choix des systemes d'irrigation  | 1992               | 200            | 06                       | -                        | -                        | -                        |
| 12.   | Automation of canal irrigation systems   | 1993               | 499            | 03                       | 02                       | 04                       | 01                       |
| 13.   | L'Automatisation des reseaux d'irrigation en canaux  | 1993               | 200            | 03                       | -                        | -                        | -                        |

| Sr No | Publication  | Year of Publishing | Copies Printed | Sales                    |                          |                          |                          |
|-------|--|--------------------|----------------|--------------------------|--------------------------|--------------------------|--------------------------|
|       |  |                    |                | 01.04.2003 to 31.03.2004 | 01.04.2004 to 31.03.2005 | 01.04.2005 to 31.03.2006 | 01.04.2006 to 31.03.2007 |
| 14.   | Selection criteria for irrigation systems  | 1995               | 400            | 15                       | 03                       | 02                       | 02                       |
| 15.   | Multilingual Technical Dictionary  | 1996               | 500            | 10                       | 03                       | 02                       | 02                       |
| 16.   | Manual on non-structural approaches to flood management  | 1999               | 500            | 05                       | 12                       | 03                       | 05                       |
| 17.   | Guidelines for rehabilitation and modernization of irrigation projects   | 1999               | 500            | 14                       | 08                       | 05                       | 04                       |
| 18.   | Canal operation simulation models  | 2000               | 500            | 05                       | 06                       | 07                       | 03                       |
| 19.   | ICID survey on funding of operation, maintenance and management of irrigation projects                               | 2000               | 500            | 09                       | 03                       | 02                       | 08                       |
| 20.   | Remote sensing and geographic information systems in irrigation and drainage - Methodological guide and applications | 2000               | 500            | 18                       | 07                       | 03                       | 09                       |
| 21.   | Historical Dams  | 2001               | 500            | 15                       | 12                       | 02                       | 05                       |
| 22.   | CD-ROM version of multilingual technical dictionary  | 2002               | 500            | 22                       | 03                       | 02                       | 04                       |
| 23.   | Danube valley – History of irrigation, drainage and flood control  | 2004               | 392            | 02                       | 10                       | 03                       | 03                       |
| 24.   | The Indus basin – History of irrigation, drainage and flood management   | 2004               | 500            | 04                       | 15                       | 10                       | 08                       |
| 25.   | Application of geo-synthetics in irrigation and drainage projects  | 2004               | 500            | -                        | 14                       | 36                       | 12                       |
| 26.   | Manual on planning of structural approaches to flood management  | 2005               | 500            | -                        | -                        | 14                       | 10                       |
| 27.   | Planning and designing of micro-irrigation in humid regions  | 2005               | 500            | -                        | -                        | 71                       | 09                       |
| 28.   | Micro irrigation in arid and semi-arid regions   | 2006               | 500            | -                        | -                        | -                        | 33                       |

**STATUS OF ICID PUBLICATIONS RELEASED BY THE YEAR 2000 AND THEIR SALE  
(01 April to 31 March)**

| Sr No. | Publication  | Year of Publishing | Number of copies printed | 2001-2002 | 2002-2003 | 2003-2004 | 2004-2005 | 2005-2006 | 2006-2007 | Balance on 31.03.2007 |
|--------|--|--------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| 1.     | Flood Control in the World – A Global Review, Vol. I   | 1976               | 1000                     | 9         | 1         | -         | 3         | -         | 2         | 10                    |
| 2.     | Flood Control in the World – A Global Review, Vol. II  | 1977               | 1000                     | 11        | 1         | -         | 3         | -         | 2         | 10                    |
| 3.     | Irrigated Rice – A Worldwide Survey  | 1977               | 700                      | 5         | -         | -         | 1         | 1         | 1         | 10                    |
| 4.     | Drainage Construction Techniques for Vertical/Tube well Drainage   | 1978               | 1000                     | 7         | -         | 1         | 2         | -         | 1         | 10                    |
| 5.     | ICID Technical Memoirs No. 1   | 1972               | 1000                     | 1         | -         | -         | 1         | -         | 1         | 10                    |
| 6.     | ICID Technical Memoirs No. 2   | 1974               | 550                      | 2         | -         | -         | 1         | -         | 1         | 10                    |
| 7.     | ICID Technical Memoirs No. 3   | 1979               | 400                      | 1         | -         | -         | 1         | -         | 1         | 10                    |
| 8.     | Tendances Modernes dans la Nécéanisation de Construction dans les Projects d'Irrigation et de Drainage (F) | 1980               | 300                      | -         | -         | -         | 1         | -         | -         | 10                    |
| 9*     | Irrigation and Drainage in the World (Vols. I to III)  | 1981-1983          | 1000                     | 2         | 7         | -         | 2         | 1         | 1         | 494<br>536<br>634     |
| 10.    | Manual of Flood Control Methods and Practices  | 1983               | 1000                     | 15        | 1         | -         | 1         | -         | 4         | 556                   |
| 11.    | State-of-the-Art Irrigation, Drainage and Flood Control No. 1  | 1978               | 500                      | 4         | -         | -         | 2         | 1         | 1         | 76                    |
| 12.    | State-of-the-Art Irrigation, Drainage and Flood Control No. 2  | 1981               | 500                      | 6         | -         | -         | 2         | 1         | 1         | 148                   |
| 13.    | State-of-the-Art Irrigation, Drainage and Flood Control No. 3  | 1984               | 995                      | 3         | -         | -         | 2         | 1         | 1         | 654                   |
| 14.    | Design Practices of Open Drainage Channels in an Agricultural Land Drainage System – A Worldwide Survey    | 1984               | 995                      | 3         | -         | -         | 2         | 1         | -         | 453                   |
| 15.    | History of Irrigation and Drainage in the USSR   | 1985               | 500                      | 3         | 1         | -         | 2         | -         | -         | 10                    |
| 16.    | ICID Guidelines 106 – Development of Bitumen Concrete and Membranes  | 1985               | 500                      | 1         | -         | -         | 1         | -         | -         | 353                   |
| 17.    | Guide 106 de la CIID – Développement du Béton Bitumineux et de la Membrane Bitumineuse (F)                 | 1985               | 250                      | 1         | 1         | 1         | 1         | -         | -         | 190                   |
| 18.    | Automated Farm Surface Irrigation Systems Worldwide  | 1986               | 3700                     | 13        | 2         | 5         | 2         | 2         | -         | 2913                  |
| 19.    | Automatisation des Systems d'Irrigation de Surface a Travers Le Monde (F)                                  | 1987               | 756                      | -         | -         | 3         | 1         | -         | -         | 675                   |



| Sr No. | Publication  | Year of Publishing | Number of copies printed | 2001-2002 | 2002-2003 | 2003-2004 | 2004-2005 | 2005-2006 | 2006-2007 | Balance on 31.03.2007 |
|--------|--|--------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| 20.    | Design Practices for Covered Drains in an Agricultural Land Drainage System – A Worldwide Survey           | 1987               | 1500                     | 7         | 1         | 7         | 2         | 1         | -         | 1005                  |
| 21.    | Improvement in Irrigation Management with Special Reference to Developing Countries, State-of-the-Art No.4 | 1987               | 1000                     | 9         | 1         | -         | 1         | 1         | 1         | 495                   |
| 22.    | Guidelines on the Construction of Horizontal Subsurface Drainage Systems                                   | 1990               | 500                      | 7         | -         | 3         | 1         | -         | 1         | 87                    |
| 23.    | A Guide to Acquiring a Computer System for the Management of Water Resources                               | 1992               | 500                      | 8         | -         | 1         | 1         | 1         | 1         | 241                   |
| 24.    | Criteres de Choix des Systemes d'Irrigation (F)  | 1992               | 200                      | 1         | -         | 6         | -         | -         | -         | 76                    |
| 25.    | Automation of Canal Irrigation Systems   | 1993               | 499                      | 16        | 5         | 3         | 2         | 4         | 1         | 47                    |
| 26.    | L'Automatisation des Reseaux D'Irrigaion en Canaux (F)   | 1994               | 200                      | 1         | 3         | 3         | -         | -         | -         | 93                    |
| 27.    | Selection Criteria for Irrigation Systems  | 1995               | 400                      | 13        | 3         | 15        | 3         | 2         | 2         | 93                    |
| 28**.  | Multilingual Technical Dictionary (MTD)  | 1996               | 500                      | 9         | 80        | 10        | 3         | 2         | 2         | 55                    |
| 29.    | Manual on Non-Structural Approaches to Flood Management  | 1999               | 500                      | 16        | 111       | 12        | 9         | 3         | 5         | 201                   |
| 30.    | Guidelines for Rehabilitation and Modernization of Irrigation Projects                                     | 1999               | 500                      | 63        | 113       | 14        | 8         | 5         | 4         | 88                    |

**Note:**

\* First Edition 1955; Second Edition (2 volumes) 1969; and Third Edition (3 volumes) 1981-1983.

\*\* First Edition 1967; Supplement 1980; Second Edition 1996; and Revised in 2002 – CD-ROM Version of MTD; further revision of CD-ROM of MTD under processing, expected to be brought out by 2007-08.

AGENDA 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*

**Year of Establishment: 2001**

**Completion of the Mandate: 2009 (extended)**

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

**Observers :** (i) Dr. Daesu Eo (Korea, Rep. of); (ii) Mr. Robiyanto Hendro Susanto (Indonesia); and (iii) Mr. Harry Denecke (FAO/IPTRID).

**Working Group website:** <http://www.wg-sdta.icidonline.org> and <http://www.webhard.co.kr>

**Item 1 : Confirmation of the minutes of the 5<sup>th</sup> meeting of the Working Group**

The minutes of the 5<sup>th</sup> meeting of the Working Group held at Kuala Lumpur (2006), Malaysia will be confirmed.

**Item 2 : Review of membership of the Working Group**

In order to enrich the membership of the WG, the Central Office has once again invited (7 March 2007) National Committees of Canada, France, Italy, Portugal and Thailand to nominate an expert for WG membership. Responses are awaited.

The nominations of Dr. Ruey-Chy Kao (Chinese Taipei) and Dr. Moustafa Twfik Gaweesh (Egypt) were deferred during Kuala Lumpur (2006) meeting, since they were neither present nor represented during the WG meeting. The Central Office requested (7 March 2007) the concerned National Committees to nominate such a person who could attend and/or actively participate in the WG meetings.

In response, Egyptian National Committee on Irrigation and Drainage (ENCID) informed (8 March 2007) that they are not able to replace Dr. Gaweesh. However, Dr. Ruey-Chy Kao from Chinese Taipei Committee of ICID (CTCID) has shown keen interest (30 March 2007) in the activities of the WG. Dr. Kao's CV will be placed for consideration during the WG meeting (2007).

The Chinese National Committee on Irrigation and Drainage (CNCID) has nominated (09 April 2007) Dr. Gao Jing (China) in place of Dr. Cai Lingen for the membership of the WG. Dr. Jing's CV will be placed for consideration during the WG meeting (2007).

Attendance of the members at meetings in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the Working Group by any other representative of the concerned National Committee is not deemed to be a contributed by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

**A. CONTINUING ITEMS**

**Item 3 : Study Items**

The WG endorsed eight study items (**Annex 1**) during Montreal (2002) meetings. Based on the results in the 2<sup>nd</sup> WS in Montpellier (2003), these study items were re-classified as per the proposed chapters of the Handbook (**Annex 2**).

#### Item 4 : Publication of the Handbook on SDTA

Chairman, Vice Chairman and Secretary prepared a proposal for the “Guidelines for ICID Handbook on Sustainable Development of Tidal Areas” (**Annex 3**).

##### 4.1 Contributions to ICID Handbook on SDTA “Towards Sustainable Development of Tidal Areas: Some Principles and Experiences”

(Since the publication is not exactly a handbook, it was decided to change the title to: “*Towards Sustainable Development of Tidal Areas: Some Principles and Experiences.*”)

The WG members have finalised the outline of the Handbook (**Annex 4**) and have been requested to commit themselves in preparing specific chapters/sections of the Handbook. Participating National Committees have been requested to provide three types of contributions:

- Type 1: Overall compilation and editing of one chapter by particular country member
- Type 2: Contributions for the sub-chapters
- Type 3: Case studies

The progress on Type 1 and 2 contributions was reported at Kuala Lumpur (2006) meeting. Overall compilation and editing of one chapter by particular country member/s is done as shown below:

| Chapter | Description   | Editor/s  | Status  |
|---------|---|---|---|
| 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 100 pages, text has to be reduced to about 50 pages and has to be generalize and shortened.  |
| 3.      | Tidal and lowland features                              | Indonesia / Malaysia                              | Not much progress reported; both members did not attend the meeting. They will be asked to report on the progress, thus this chapter may not be included, if no progress is made in the year ahead.   |
| 4.      | Existing natural processes                              | China to lead, with support from India and Korea  | Draft available in the Chinese language, the draft is being currently translated in English. A problem may arise to reduce the contributions to comply with the requirements of the handbook: to translate the Chinese experiences in general guidelines. |
| 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.  |

As it will be difficult to collect and include all sub-topics in time, it was decided (2006) that the WG may accept some of the chapters with some missing portions. The Central Office (20 March 2007) and Chairman (16 May 2007) are in contact with all concerned for early completion of chapters to facilitate compilation of the Handbook.

Ir. J. Simm (UK) and Mr Henk Ritzema (The Netherlands) derived (2005) ‘*Vision and Principles*’ for SDTA. They suggested that these might eventually lead to a modified configuration of the Handbook. During the meeting (2006), the vision and principles were discussed and approved after some modifications:

## Vision

“Sustainable development of tidal areas provide appropriate safe, social and economic development and productivity to tidal areas, whilst caring for and working with the natural environment, in a way that is fair and affordable both now and in the future.”

## Principles

|    |                            |  |
|----|----------------------------|--|
| 1. | Integration of purposes    | Manage and develop tidal areas as part of integrated catchments' management and coastal zone management.                                   |
| 2. | Water management           | Manage irrigation, drainage, water quality and flood risk in an integrated way.  |
| 3. | Engagement                 | Work with all those involved in or affected by the management and development of tidal areas.  |
| 4. | Consumption and production | Promote sustainable consumption and production in managing and developing tidal areas  |
| 5. | Environment                | Take care of natural resources and enhance the environment, including bio-diversity and water quality.                                     |
| 6. | Risk management.           | Manage the effect of natural and man-made hazards to people, property, the economy and the environment with the aim for reducing risks.    |
| 7. | Adaptation                 | Take account of climate change, social and economic development and other long-term uncertainties in decision-making.                      |
| 8. | Appraisal                  | Adopt appraisal methods that are rigorous, coherent and open and consider long-term social, environmental and economic costs and benefits. |
| 9. | Knowledge                  | Develop the knowledge, skills and awareness to promote sustainable approaches.   |

It was agreed (2006) that economic issues should be given due weightage in the handbook, especially in Chapter 7. Dr. Kim Hong Sang (Korea) has prepared a contribution that was presented in the WG workshop (2006).

## 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

## Work Team activities:

- The Japanese National Committee (JNCID) has established a WT to support the Work on SDTA. The WT comprises of Dr. S. Taniyama, Mr. Ueda Kazumi, Dr. Shikasyo, Dr. Kazuaki Hiramatsu, Mr. Yaokawa Tomoyo and Mr. Satoru Yoshimi. The JNCID has informed the Chairman regarding Edition of Chapter 5 and various manuscripts in other subchapters and draft case studies such as Hachirogata (Mr. K. Tanaka); Kamedago (Dr. S. Taniyama); and Ariake (Dr. Shikasho). These studies were presented during the 4<sup>th</sup> WS in Beijing (2005).

Mr. Hiroshi Ikeura informed (2 June 2007) that Dr. Masayuki Imaizumi will be the new author for sub-chapter 4.7. He felt that authors and editors may need more time to prepare sub-chapters 3.3, 3.4, and 4.7.

- The Korean National Committee (KCID) has established a WT to support the Editing of Chapter 2 and other Chapters of the Handbook on SDTA.
- The Korean WT has supported publishing the WS Proceedings on SDTA since the Montreal Congress in 2002. New contributions have been prepared by Prof. Kim Seong Joon, Author of GIS in Sub-Chapter 2.8 and Dr. Kim Hong Sang, Author of Economic issues in Sub-chapter 2.9.
- A meeting between Korean and Japanese WTs was held on 28 March 2007 at Tokyo, Japan. The minutes of the meeting are placed at **Annex 5** for consideration of the WG.

More study results have been invited from other WG Members.

Since the Beijing meeting (2005) the following actions have been undertaken:

- (i) All member countries were requested to examine the vision and principles prepared by Mr Simm and Mr Ritzema. The Vision and principles were endorsed during the meeting (2006).
- (ii) Japan, Korea and China have formed national WT to support the work of the ICID Handbook.
- (iii) China has arranged the translation of its Chinese Handbook dealing with Tidal Areas. The work is in progress. During the meeting, the electronic versions of Ch 4.2, 4.3, 4.4 were made available.
- (iv) All contributions provided for the handbook should make clear links to sustainability principles. For this purpose, case studies should be restricted to those which illustrate SDTA and are not required for all chapters.
- (v) Many contributions were received by the Chairman and the Korean NC provided financial assistance to prepare the proceedings for the 5<sup>th</sup> Workshop on SDTA held on 15 September 2006 at Kuala Lumpur.
- (vi) In view of paucity of funds for editing, it was decided (2006) to continue the work on the publication as agreed and skip the overall editing. The WG decided to have the Chapters peer reviewed: each NC will review a chapter edited by another NC.

Dr. Park, Mr. Simm and Mr. Ritzema will present a proposal for the review during this meeting.

#### 4.2 Size of the Handbook

It was decided to divide the work on the publication in four stages during Kuala Lumpur (2006) meeting:

- a. Handbook will contain 7 chapters (*each chapter: max 50 pages*) as originally decided by WG-SDTA. It is proposed to print 500 copies of the Handbook.
- b. CD to contain all contributions to chapters and case studies provided by National Committees.
- c. ICID Position paper (*max 5 pages*) on '*Sustainable Development of Tidal Areas*' (to be endorsed by ICID NC's) to summarize the findings of the WG-SDTA.
- d. WG may consider a special issue of ICID Journal on Irrigation and Drainage for publishing 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. ICID Central Office has advised that a financial support of US \$ 8,000 to 10,000 will be helpful to cover printing costs. The special issue will be available as a hard copy and 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 for the topics and lead authors for consideration of the WG during this meeting.

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**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, to enhance the cooperation, it is proposed to send the draft position paper to these organizations, when available for review and comments.

**Item 6 : Future Activities of the WG**

Although WG members had attempted to comply with the time schedule agreed during the past meetings, more time was, in fact, required to complete the chapters. The WG, therefore, agreed to revise the time schedule (**Annex 6**) as below:

**2007:**

- July 2007:
  - (a) A workshop on '*Sustainable Paddy Farming in Asian Monsoon Region*' was jointly organized by ICID WG-SDTA and Korea National Committee of INWEPF during 1-3 July 2007 at Seoul, Korea.
  - (b) An interim meeting of WG-SDTA was held on 4 July 2007 at Ansan City in Korea to discuss various issues related with Handbook on SDTA.
  - (c) The draft chapters will be completed by editors. A draft version of the publication will be printed with the support from the Korean NC and distributed to the members.
- October 2007: A half day workshop on 4 October 2007 will be organized during the Sacramento Meetings to present and discuss these draft chapters.
- December 2007: review of the chapters

The Chairman will apprise the WG members.

**2008:**

- Mid 2008: revised chapters ready for publication
- Autumn 2008: comments from the members will be discussed and draft approved by WG-SDTA. The ICID position paper can then be prepared and placed for approval by the WG during the October 2008 meeting in Lahore, Pakistan. The ICID position paper on '*Sustainable Development of Tidal Areas*' can then be circulated among the ICID NCs for their comments and suggestions before placing it 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 *Annex 6* for 2009.

**2010:** SDTA Handbook is proposed to be printed and released during IEC meetings in Indonesia in 2010 (*SDTA meeting in Tokyo on 28 March 2007*).

The *Annex 6* may be updated to cover above schedule.

**Item 7 : Any Other Business**

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### **Study Items**

The WG endorsed following eight study items during Montreal (2002) meetings:

- Identify criteria or decision support system to find sustainable development schemes for the planning and design of dikes and related structures (Included in Chapters 6 and 7 of 2005-2006 WS Proceedings).
  - Integrate irrigation, drainage and flood management practices in reclaimed area (WS topic in 2002, included in Chapters. 2 of 2005-2006 Proceedings).
  - Study physical, chemical and biotic characteristics of the tidal areas (WS Topic in 2003, included in Chapters 3, 4 and 5 of 2005-2006 Proceedings).
  - Examine management and institutional aspects and production system in reclaimed areas (WS Topic in 2004, included in Chapters 2 of the Proceedings of 2005 and 2006).
  - Enhance community participation in the sustainable development of tidal areas (WS Topic in 2004, included in Chapter 7 of the 2005-2006 Proceedings).
  - Study socio-economic impacts and cost/benefit analysis of various development alternatives (WS Topic in 2004, included in Chapter2 of 2006 Proceedings).
  - Establish historic aspects of tidal reclamation (WS topic in 2002, included in Chapter1 of 2006 Proceedings).
  - Incorporate integrated approaches for sustainable development and conservation options (WS topic in 2002, included in Chapters 2 and 7 of 2006 Proceedings).
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**WORKING GROUP ON SUSTAINABLE DEVELOPMENT  
OF TIDAL AREAS (WG-SDTA)**

**Proposed Chapters of the Handbook**

| <b>Study items proposed in Montreal</b>   | <b>Relative Chapters in the Handbook</b>  | <b>Remarks</b>   |
|---|---|------------------|
| 1. Identify criteria or decision support system to find sustainable development schemes for the planning and design of dikes and related structures | 1. Introduction<br>5. Tidal reclamations and their impact on natural processes  | WS Topic in 2002 |
| 2. Integrate irrigation, drainage and flood management practices in reclaimed area  | 6. Engineering for sustainable development of tidal areas                       | WS Topic in 2002 |
| 3. Study physical, chemical and biotic characteristics of the tidal areas   | 3. Tidal and lowland features<br>4. Existing natural processes                  | WS Topic In 2003 |
| 4. Examine management and institutional aspects and production system in reclaimed area   | 2. Aspects of managing development of tidal areas                               | WS Topic in 2004 |
| 5. Enhance community participation in the sustainable development of tidal areas  | 2. Aspects of managing development of tidal areas                               | WS Topic in 2004 |
| 6. Study socio-economic impacts and cost/benefit analysis of various development alternatives   | 2. Aspects of managing development of tidal areas                               | WS Topic in 2004 |
| 7. Establish historic aspects of tidal reclamation  | Appendices : Descriptions of historical tidal developments in various countries | WS Topic in 2002 |
| 8. Incorporate integrated approaches for sustainable development and conservation options   | 7. Integrated decision support framework  | WS Topic in 2002 |

| Review Sheet- Handbook Tidal Areas   |      |   |          |
|--|------|---|----------|
| Reviewer   | Date |   |          |
|  | Y    | N | Comment  |
| <b>Scope:</b> Do you agree with the scope of the Handbook?<br>( <i>"To provide guidelines for planning, design and management of irrigation and drainage, and flood control for the sustainable agricultural development in tidal areas"</i> ) |      |   |          |
| <b>Target Group:</b> Do you agree with the target group of the Handbook ( <i>"The handbook will serve as a design support framework for mainly engineers"</i> )  |      |   |          |
| <b>Contents:</b> Do you agree with the content of the Handbook:  |      |   |          |
| Please comment per (sub)chapter:   | Y    | N | Comments |
| <b>1 Introduction</b>  |      |   |          |
| 1.1 General philosophy   |      |   |          |
| 1.2 Historical context   |      |   |          |
| 1.3 Objectives, readership and structure   |      |   |          |
| <b>2 Management Aspects</b>  |      |   |          |
| 2.1 Management and institutional context   |      |   |          |
| 2.2 Land-use planning  |      |   |          |
| 2.3 Conservation planning  |      |   |          |
| 2.4 Irrigation planning requirements   |      |   |          |
| 2.5 Aquaculture planning requirements  |      |   |          |
| 2.6 Catchment flood management planning  |      |   |          |
| 2.7 Catchment water quality management planning  |      |   |          |
| 2.8 Coastal zone management planning   |      |   |          |
| Do you miss a subject in this chapter? If so please add:   |      |   |          |
| <b>3 Tidal and lowland features</b>  |      |   |          |
| Do you miss a subject in this chapter? If so please add:   |      |   |          |
| <b>4 Existing natural processes</b>  |      |   |          |
| Do you miss a subject in this chapter? If so please add:   |      |   |          |
| <b>5 Tidal reclamation and their impacts</b>   |      |   |          |
| Do you miss a subject in this chapter? If so please add:   |      |   |          |
| <b>6 Engineering measures</b>  |      |   |          |
| 6.1 Dikes and water retention structures   |      |   |          |
| 6.2 Water Management systems and structures  |      |   |          |
| 6.3 Dredging and canal improvement   |      |   |          |
| 6.4 Land fill in reclaimed areas   |      |   |          |
| Do you miss a subject in this chapter? If so please add:   |      |   |          |
| <b>7 Integrated decision support framework</b>   |      |   |          |
| Do you miss a subject in this chapter? If so please add:   |      |   |          |
| <b>Case Study:</b> Are you willing to prepare a case study, if yes specify country   |      |   |          |
| Do you miss a subject in this chapter? If so please add:   |      |   |          |
| <b>General Comment</b> (continue on the back if required):   |      |   |          |

**WORKING GROUP ON SUSTAINABLE DEVELOPMENT  
OF TIDAL AREAS (WG-SDTA)****Outline of the Handbook****Background****Scope of the Handbook****Overall concept for Contents****Methodology****Planning****Suggested chapter headings/sub-headings**

1. Introduction
2. Aspects of managing development of tidal areas
3. Tidal and lowland features
4. Existing natural processes
5. Tidal reclamations and their impact on natural processes
6. Engineering for sustainable development of tidal areas
7. Integrated decision support framework

***Appendices***

Descriptions of historical tidal developments in various countries.

***Key references***

G.P. Van der Ven (Ed) 1996 Man-made lowlands – History of water management and land reclamation in the Netherlands. The Netherlands, Uitgeverij Matrijs.

“Closure of tidal basins” – full ref needed.

Burt, T.N. and A.W. Rees, 2001 Guidelines for the assessment and planning of estuarine barrages. London, Thomas Telford.

Simm, J.D. , A.H. Brampton, NW Beech JS Brooke, 1996. Beach management manual. London, CIRIA.

UK Department for food and rural affairs, 2001 Shoreline management plans – a guide for coastal defence authorities. London, Defra.

# James E. suggested that following reference also may be added under Key References :

James, E J, et al [1997]. ' The Vembanad-Kol wetland system and river basin management '. In : Wetlands and Integrated River Basin Management, Experiences from Asia and Pacific, UNEP- Wetlands International-Asia-Pacific, Kuala Lumpur.

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**The Minutes (draft) of the meeting held between Korean and Japanese WTs  
in Tokyo, Japan (28 March 2007)**

**Participants**

Dr. Shigetaka Taniyama (Chair of the Meeting), Mr. Kiichiro Tanaka (Chair of Japanese WT-SDTA), Mr. Kazumi Ueda (WG-member on SDTA), Prof. Kazuaki Hiramatsu (Editor of Chapter 5 in the Handbook-SDTA), Mr. Akihiro Tsubaki, Ms. Atsuko Akita, Mr. Takeshi Minakawa, Mr. Satoru Yoshimi, Dr. Hiroshi Ikeura (Secretariat of Japanese National Committee) Dr. Park Sang Hyun (Chair WG-SDTA) and Dr. Jo Jin Hoon (Korean WT-SDTA Members).

**1. Edition and Publication of ICID Handbook on SDTA “Towards sustainable development of tidal areas: some principles and experiences”**

- **Progress and Review of the Chapters**

Chapter 1 will be edited by Mr. Ritzema and Mr. Simm; Chapter 2 will be edited by Dr. Park with focus on decreasing the volume to 50 pages; Chapter 3 and 4 shall be modified in more general and include fundamental description for the engineers; Chapter 5 is already finished. However it will be enriched by the contributions of Korean authors; Chapter 6 will be based on sub-chapters and edited by Germany and FAO; and Chapter 7 will be edited by Mr. Ritzema and Mr. Simm.

- **Sub-Chapters**

Sub-chapter 3.4(Delta) and 3.5(Dune beach) - Japan and Korea may identify proper authors; Dr. Jo will prepare sub-chapter 4.3 (Hydro-dynamic); (Water quality) – Dr. Park shall discuss rearrangement with each author; Sub-chapter 2.7, 4.6 and 4.7(Groundwater and Soil) Korea and Japan may identify proper authors. Sub-chapter 5.1 will be re-edited by Dr. Hiramatsu to cover following to topics : (a) Optimal dimension of dumping materials in tidal closure; and (b) Seepage problem through embedded Rock Layer; Sub-chapters 2.3, 4.8 and 6.6 (conservation) will be prepared by chapter editors and authors.

- **Publishing cost of Handbook**

It was proposed that Publishing Cost of Handbook will be shared by Korea, Japan, The Netherlands and other National Committees. In addition, personal contribution will be expected in case the funds are inadequate. The issue may be discussed further. The estimated publishing cost is US \$ 8,000 to US \$ 10,000. It was recommended that WG-SDTA should carry out several affairs related to publishing Handbook and required cost would be estimated by the ICID Central Office. Dr. Park has proposed that NCs may buy Handbook published by Central Office. However, Central Office opined that as per mandate, all NCs are entitled for one free copy. More copies can certainly be purchased by NCs.

**2. Special Issue of ICID Journal**

The purpose of special issue was to disseminate and publish the activities of the WG; Total 12 papers for special issue may be accommodated. Japan and Korea may provide three to four manuscripts. Other countries/authors may contribute the remaining papers; the manuscripts for special issue may need to be modified to suite format of ICID Journal.

**3. Position Paper**

Dr. Park will ask chapter editor to prepare a draft for the concerned chapter to suit the position paper; Japanese WT proposed that each draft for chapter should be less than two pages; Dr. Park proposed maximum 5 pages for each chapter to cover most of the results in subchapters. The draft chapters shall be integrated into one position paper for consideration during Sacramento Meeting; Dr. Park will circulate the framework to prepare the draft position paper to WG members and Chapter editors in April 2007; Japanese WT suggested to maintain a balance among the environmental, ecological and the engineering aspects; Dr. Park, Ir. J. Simm, H.

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Ritzema and others will summarize the position paper and discuss the draft during SDTA meeting at Sacramento, USA.

#### **4. Any Other Business**

Dr. Park explained the organization of the Joint workshop between ICID WG-SDTA and Korean INWEPF on 2<sup>nd</sup> and 3<sup>rd</sup> July 2007, Ir. Jonathan Simm and Ir. Henk Ritzema would be invitees in the WS. After the workshop, Ir. Simm and Ir. Ritzema shall stay for two or three more days to prepare the Draft of Handbook, Position Paper and the Sacramento Workshop with Dr. Park; Dr. Park also asked Dr. Taniyama and Mr. Ueda to join the Workshop and help organize future activities of the WG.

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**WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF  
TIDAL AREAS (WG-SDTA)**

**Five-Year Rolling Plan**

| Activity  | 2004 | 2005 | 2006 | 2007 | 2008 |
|---|------|------|------|------|------|
| <b>Publication of Hand Book</b>   |      |      |      |      |      |
| • 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 the Handbook   |      |      |      |      | ✓    |
| <b>Workshop</b>   |      |      |      |      |      |
| • 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  |      | ✓    | ✓    | ✓    |      |

AGENDA 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*

**Year of Establishment: 2007**

**Completion of the Mandate: 2012**

**Preamble:** As per the decision of the 56<sup>th</sup> 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/ 57<sup>th</sup> IEC for creation of a new working group with a 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, institutions and operations. The initial focus of the working group will be on management change in service providers; and matching infrastructure and operations to changing demands.

**Tenure:** The tenure of the WG-MIS will be of six years i.e. the group will plan completion of its mandate by 2012.

The group may like to refine/ amend, firm up and adopt the mandate and the objective.

**Item 2 : Membership of the WG**

At the closing meeting of the 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 committee, while all the past nominations received will be forwarded to the WG-MIS for consideration.

The list of members and permanent observers of the WG-DMIS is as follows;

**Members :** (1) Prof. H. Malano, Chairman (Australia, 1998); (2) Dr. Martin Burton, Secretary (Great Britain, 2002); (3) Dr. Huh, Yoo-Man (Korea, 1999); (4) Eng. Joao Manuel Braganca (Portugal, 1999); (5) Mr. Lee, Tsong-Hwei (Chinese Taipei, 1999); (6) Mr. Thomas E. Mitchel (USA, 1999); (7) Dr. Siripong Hungspreug (Thailand, 1999); (8) Ir. Robert Brouwer (Netherlands, 1999); (9) Dr. Jiesheng Huang (China, 1999); (10) Mr. Y. Yukawa (Japan, 1999); (11) Prof. C. Fasso (Italy, 1999); (12) Prof. J.L. Montanes (Spain, 1999); (13) Dr. M.K. Siahi (Iran, 2000); (14) Dr. Dia El-Quosy (Egypt, 2003); (15) Mr. Francois Onimus (France, 2005); and (16) Secretary General, ICID.

**Permanent Observers :** (i) FAO representative; (ii) World Bank representative; (iii) IPTRID representative; (iv) IWMI representative; (v) Dr. W.O. Deason (USA); (vi) Mr. Peter S. Lee (Great Britain); (vii) Dr. D. Zimmer (France); (viii) Mr. P.J.M. van Hofwegen (Netherlands); and (ix) Mr. H. Plusquellec (USA).

Following nominations (both for replacement and new) were received for the membership of the WG-DMIS;

- 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)

CVs of these nominations will be tabled at the meeting. The group may like to consider the prevailing membership / permanent observership and also the nominations received for the WG-DMIS (since closed) for the membership of the WG-MIS.

The U.S. Committee on Irrigation and Drainage (USCID) has proposed to continue membership of Mr. Thomas Mitchel for the new working group i.e. WG-MIS.

It may be noted that representation of a member of the working group by any other representative of the concerned national committee is not deemed to be a contribution by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

In the meanwhile, Central Office will approach the concerned national committee to seek consent/ willingness to continue or otherwise of their membership on the WG-MIS and also to all other national committees to nominate potential members for the WG-MIS along with their scope of interest with respect to the working group mandate, in line with the new criteria for WG membership proposed by PCTA.

#### **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 has volunteered to conduct the first meeting of the WG-MIS.

The group will select/ nominate a Chairperson, Vice Chairperson, and Secretary.

#### **Item 4 : Presentations by members/ observers**

At Kuala Lumpur, following five presentations were made on different aspects and approaches to modernization of irrigation and drainage systems and services;

- (1) Mr. Francois Onimus (Canal du Provence, France), (2) Mr. Russell Cooper (Goulburn Murray, Australia),
- (3) Mr. Adama Sangare (Office du Niger, Mali), (4) Mr. Thierry Facon (FAO, Thailand), and (5) Mr. Bruno Molle (Cemagref, France)

In conclusion, it was acknowledged that there is a need to continue with activities focused on improving the delivery of irrigation services within ICID. In this context, it was agreed that the WG-MIS should lead this task and, more specifically to address the objective.

Member may like to make presentations on related aspects and approaches to modernization, so as to arrive at a workplan of the WG.

#### **Item 5 : Agenda items and draft work plan of the working group**

Two documents viz. *“Manual on Asset Management”* and *“Rehabilitation, Modernization and Maintenance of Irrigation and Drainage Systems while in Service”* were being prepared by the WG-DMIS. However, in view of the closure of the group, it was decided that a decision on whether to continue with the preparation of these documents or otherwise will be assigned for consideration of the new working group (WG-MIS). Similarly, the WG-DMIS decided that the decision on whether to continue with the benchmarking initiative or otherwise will also be delegated to the new working group (WG-MIS).

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As an introduction for drawing up an agenda, it would be suitable that the members share their general points of view on what is modernization, when it must occur, and how it has to be carried out, managerially, technically and financially speaking.

Mr. Francois Onimus, Sr. Irrigation & Water Management Specialist - Africa Region, The World Bank has informed the Central Office about a draft paper titled "*The Need for a Professional Third Party between the Government and the Users*". Members may like to refer this document while preparing the work plan.

The members will deliberate on the above items and spell out possible activities (agenda), prepare a draft work plan and a webpage for the WG-MIS - which will subsequently be developed by the Chairman (elect) in collaboration with the members for adoption.

**Item 6 : Any other business**

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**AGENDA 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**

**Year of Establishment: 1998****Completion of the Mandate: 2009**

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

**Permanent Observers:** (i) Mr. Bruno Molle (France), ISO; (ii) FAO representative.

**Item 1 : Confirmation of the minutes of the 9<sup>th</sup> meeting of the Working Group held at Kuala Lumpur**

The minutes of the 9<sup>th</sup> meeting of the group held at Kuala Lumpur in September 2006 will be confirmed.

**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 will discuss about the framework and the mandate of the new working group keeping in view the new issues and challenges of on-farm irrigation management and technology.

**2.2 Membership**

The Kazakhstan National Committee (KAZCID) has nominated Mr. Tauipbaev Sultanbek Tauipbaevich for the membership. The CV will be tabled at the meeting. The group may like to consider the nomination.

Attendance of members at the meetings held in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the Working Group by any other representative of the concerned National Committee is not deemed to be a contribution by a member. Refer Annex 2 of PCSPOA Agenda (page A-27).

**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 were requested to provide their comments so as to finalize the paper. Dr. Randev has informed the Central Office that he did not received any feedback from members since the Kuala Lumpur meeting, hence he has finalised the paper at his end and submitted to ICID Journal for its possible publication.

Dr. Randev may like to brief about the final version of the paper.

### **3.2 Manual on “Performance Evaluation of Sprinkler and Drip Irrigation Systems in Different Agro-climatic Regions of the World”**

Mr. Graziano Ghinassi (Italy) had sent a final draft version of the “Manual for performance evaluation of sprinkler and drip irrigation systems in different agro-climatic regions of the world” (in electronic form) to the Central Office in June 2007 for its printing. Italian National Committee (ITAL-ICID) has provided funding support towards the printing of the publication. The Central Office has brought out the hard copies of the publication which will be ready for release at Sacramento. The Central Office sincerely thanks ITAL-ICID for the assistance.

Mr. Ghinassi may like to provide a brief on the manual.

### **3.3 Paper on “Improvement of the On-farm Irrigation Systems Using Simple Water Control, Measurement and Application Devices”**

At Kuala Lumpur meeting, Mr. Stephen Mills (Australia) had informed that the preparation of the paper was in progress and a draft version would be tabled at Sacramento meeting. The Central Office has requested Mr. Mills to expedite the preparation of the paper and send the draft version to the Central Office for its circulation among WG members for comments/ observations. Response from Mr. Mills is awaited.

Mr. Mills/ ANCID representative will apprise the group about further progress in preparation of the paper.

### **3.4 A paper on “Promoting Small Scale Micro Irrigation Technologies”**

Prof. Y. Nakano (Japan) presented the draft contents of the paper titled “Promoting small scale micro irrigation technologies” at the Kuala Lumpur meeting. Group had suggested changing the title of the paper as “Micro irrigation for smallholders and greenhouses” and limiting the length of the paper up to 20 pages and presenting it in the form of a case study.

The Central Office has requested Prof. Nakano to send the contents of the paper to members for their views/ comments. Response from Prof. Nakano is awaited.

Prof. Nakano/ JNC-ICID representative will apprise the group about further developments.

## **Item 4 : Liaison with the ISO/TC23/SC18**

### **4.1 Presentation and dissemination of documents**

At Kuala Lumpur, Mr. Bruno Molle, Permanent Observer, ISO made a presentation on “Cross testing of drippers” and apprised the work carried out by ‘International network of testing laboratories’ which has led to a number of amendments to standards.

The Central Office has disseminated following documents as received from the Secretariat of SC-18, Israel, amongst members since the Kuala Lumpur meeting –

- N 714: Draft Report of sprinkler distribution measurement results collected from 10 laboratories in the world
- N 715: Report to ISO SC18, participation to the 19th ICID congress, Beijing, September 2005
- N 716: Irrigation equipment – Safety device for chemigation - Backflow preventer with controllable reduced pressure zone
- N 717A,B,C: ISO 8026 Agricultural irrigation equipment – Sprayers – General requirements and test methods
- N 718: Systematic review of ISO Standards - abstract

### **4.2 Feedback from the 25<sup>th</sup> meeting of SC 18 held in October 2006 in Israel**

The 25<sup>th</sup> 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 26<sup>th</sup> meeting of the

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SC18 will be held on 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.

A joint ISO/CEN/ICID Hand book on "Irrigation Equipment Standards" was under preparation by Mr. Bruno Molle. The Central Office had requested Ms. Ronit Golovaty (ISCID) to help in resolving/ sorting out the difficulties towards getting/ accessing the standards. In response, Ms. Golovaty has informed the Central Office that she will take up the matter with Mr. Silberstein, Chairman, SC18.

Ms. Golovaty/ ISCID representative may like to apprise the group about the latest developments.

#### **4.3 Standardization of surface irrigation equipments**

Dr. Allen R. Dedrick, (Retired, formerly with the USDA-Agricultural Research Service, Phoenix, USA) and 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 (**Annex**) to all national committees with a request to fill it up and send it to Dr. Allen R. Dedrick or VP Felix Reinders. In response, so far only Pakistan National Committee (PANCID) has sent the filled-in questionnaire to the Central Office. All other national committees are being requested to provide the requested information.

Dr. Ayars (USA) and/ or Chairman may like provide updates.

#### **4.4 ICID Multilingual Technical Dictionary (MTD)**

The Central Office in March 2007 had requested all the members 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 for their possible inclusion in the revised version of the MTD to be released at Sacramento.

Chairman will apprise 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 will be circulated in the meeting.

#### **5.2 Survey of World-wide Usage of Sprinkler and Micro Irrigation**

The Central Office had circulated a simplified version of the questionnaire "Survey of World-wide Usage of Sprinkler and Micro Irrigation" amongst all national committees for filling up. Only two national committees viz. GECID (Germany) and ITAL-ICID (Italy) have responded. In view of the poor response from national committees, Central Office has further shortened the questionnaire with an intension of getting more responses. The latest version of the questionnaire will be circulated to members in advance of the meeting and also will be tabled at the meeting for comments/ suggestions. The group will discuss and finalize the questionnaire.

### **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. All members are requested to provide the information to the Chairman with a copy to the Central Office for updating of the webpage.

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**Item 7 : Invitation of proposals for 8<sup>th</sup> International Micro irrigation Congress (8 IMC)**

The 7<sup>th</sup> International Micro irrigation Congress (7 IMC) was successfully held at Kuala Lumpur in September 2006. The invitation for hosting of the 8<sup>th</sup> 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 group will make suggestion regarding an appropriate year for holding the 8 IMC.

**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.

**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.

Mr. Hassan Shantia / IRNCID representative may like to provide updates in this regard.

**Item 10 : Any other business**

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## INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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

*Questionnaire for  
Standardization of Surface Irrigation Equipments*

- 
1. Do you feel the necessity of creating standards for surface irrigation equipments? Yes / No
  2. If yes, please identify products associated with surface irrigation that merit international standardization?
  3. Does the product requires the criteria for international standardization (significant international trade for the product identified)? Yes/ No

If yes, please specify

| Name of the equipment/ product | Remarks/ note |
|--------------------------------|---------------|
|                                |               |
|                                |               |
|                                |               |
|                                |               |

4. Are you aware of an existing national or regional standard for the product/ equipment that can be used as a 'First Working Draft' for development of an international standard?

(Please provide a brief)

Thank you for your cooperation.



**AGENDA 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***

**Year of Establishment: 1999****Completion of the Mandate: 2005**

**Members :** (1) Ir. Dick de Bruin, Chairman (The Netherlands); (2) Prof. J.L. Montanes (Spain); (3) Mr. V.C. Ballard (Australia); (4) Dr. Takeshi Hata (Japan); (5) Dr. Lajos Szlavik (Hungary); (6) Prof. M.F. Viljoen (South Africa); (7) Mr. R. Jeyaseelan (India); (8) Dr. K. Emami (Iran); (9) Mr. Peter Borrows (Great Britain); (10) Mr. Jin Soo Kim (Korea); (11) Dr. Illahi B. Shaikh (Pakistan); (12) Prof. Josip Petras (Croatia); (13) Mr. Ahmet Seren (Turkey); (14) Mr. Maurice Roos (USA); (15) Prof. dr. Franc Steinman (Slovenia); and (16) Secretary General, ICID.

**Permanent Observers :** (i) FAO representative; (ii) UNDRO representative; (iii) WMO representative; and (iv) World Bank representative.

**Item 1 : Confirmation of the minutes of the 21<sup>st</sup> meeting of the Working Group**

The minutes of 21<sup>st</sup> meeting of the Working Group held at Kuala Lumpur (2006) will be confirmed.

**Item 2 : Review of the Membership of the Working Group**

The Netherlands National Committee on Irrigation and Drainage (NETHCID) has nominated (3 April 2007) Ir. Jos van Alphen (The Netherlands) for the membership of the WG. His CV will be placed for consideration during the meeting.

The Indian National Committee of ICID (INCID) has nominated (21 May 2007) Mr. A. K. Ganju (India) for the membership of the WG in place of Vice President Hon. R. Jeyaseelan. His CV will be placed for consideration during the meeting.

Fresh nominations from National Committees of Czech Republic, Canada, France, Indonesia and Morocco have been requested (7 March 2007) for the membership of the WG. In response, the Canadian National Committee on Irrigation and Drainage (CNCID) has informed (11 March 2007) that they will be sending a nomination shortly. Responses from others are awaited.

Attendance of members at meetings in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the Working Group by any other representative of the concerned National Committee is not deemed to be a contribution by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

**Item 2.1 : Successor for the Chairman of the WG**

Ir. Dick de Bruin has expressed a desire to withdraw as Chairman of the WG after Sacramento meetings (2007). The Pakistan National Committee on Irrigation and Drainage (PANCID) has nominated Engr. Dr. Illahi B. Shaikh (Pakistan) for the Chairmanship of the WG. Dr. Shaikh has been a member of the WG since 2001.

**Item 3 : Discuss the status of preparation of the study topics selected from the “broad mandate” of the Working Group**

In view of a limited number of WG members present at the Kuala Lumpur meeting (2006), it was proposed to elaborate the following during the Sacramento meeting (2007):

'During the previous meeting in Beijing (2005), while reporting the progress, it was informed that the Central Office is bringing out the Manual on '*Planning of Structural Approaches to Flood Management*' in a printed version. The Manual has been since published and is available for sale.

The former Chairman Dr. J. van Duivendijk (The Netherlands) together with WG members made tremendous efforts in finalizing the Manual covering topics from the '*broad mandate*', which were selected for detailed consideration during the 16<sup>th</sup> meeting at Seoul, Korea in 2001'.

The Chairman will apprise the WG members.

### **Item 3.1 : Presentations on Floods (Country Case Studies)**

Presentation on Floods (*country case studies*) was initiated in 2001. Numerous presentations have already been made and a list of the past presentations is given in **Annex**. To continue the presentations on Floods further, the Central Office requested (2 April 2007) the WG members to contribute on '*Flash Floods*'.

In response, Prof. Josip Petras (Croatia) submitted (14 May 2007) a paper on '*Water Management and Flood Control Issues in Croatia*' for the WG meeting. He further informs that he will be sending a paper and making a poster presentation on '*Flash Floods in Croatia*' during the WG workshop at Sacramento. Responses from others are awaited.

The Chairman will apprise the WG members.

### **Item 4 : ICID Position Paper on 'Flood Management'**

The ICID position paper titled '*The Management of Riverine Floods*' has been accepted by the WG and presented to PCTA for approval during the Kuala Lumpur meetings (2006). The PCTA recommended this position paper finalized by the WG for circulation to NCs and proposed to place it for approval by 58<sup>th</sup> IEC at Sacramento, USA.

In view of above, the position paper has been circulated (19 March 2007) to all the NCs after due modifications (*Central Office included the impressions from some NCs at appropriate locations in the draft*). The Pakistan National Committee on Irrigation and Drainage (PANCID) endorsed (28 March 2007) the document as circulated. Indian National Committee of ICID (INCID) and Japanese National Committee of ICID (JNC-ICID) have made some suggestions, which have since been incorporated.

The ICID position paper on '*The Management of Riverine Floods*' is being placed before 58<sup>th</sup> IEC for approval at Sacramento, USA. The paper has also been published in the Special Issue: Integrated Flood Management (*Volume 55 Supplement 1, July 2006*) of the ICID Journal on '*Irrigation and Drainage*' – in its original form (*without the subsequent modifications to accommodate the views of the National Committees*).

### **Item 5 : Future Activities of the Working Group (activity plan)**

#### **5.1 Publications in Progress**

It was proposed during Kuala Lumpur (2006) meeting to bring out a special publication (CD-ROM) based on the '*Country Presentations*' made during past WG meetings. The Chairman, however, informed that due to the commitments necessitated for preparing the '*Special Issue: Integrated Flood Management*' of the Journal on Irrigation and Drainage (*Volume 55, Supplement 1, July 2006*), this was not done. In case, the WG publication is to be brought out, the Chair may consider constituting a '*review team*' which can draw on Central Office support to bring out the CD-ROM and publication.

The Chairman will apprise the WG members.

#### **5.2 Workshop on Flood related aspects during Sacramento (2007) meetings**

A half-day workshop on '*Flood related aspects*' has been scheduled to be held on 3 October 2007 during 14:00 to 17:00 hours. About seven presentations have been planned i.e. China, Croatia, India, The Netherlands (two), South Africa and USA.

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### 5.3 Workshop on Flood Management during Lahore (2008) Congress

A full-day workshop on '*Flood Management: Flood Monitoring and Early Warning*' has been proposed (2005) to be organized by the WG during Lahore (2008) Congress. The Pakistan National Committee on Irrigation and Drainage (PANCID) prepared a background document on '*flood plain management*' for consideration during Kuala Lumpur (2006) meeting. The WG considered it as too general.

Dr. Shaikh (Pakistan) informed (20 January 2007) that Mr. Bashir Ahmad, National Committee member from NESPAK in Pakistan, has been appointed as Coordinator for the Lahore Workshop. He, further, proposed the following topics for inclusion in the workshop:

- (i) Management of the floods in the wake of rapid melting of glaciers due to global warming
- (ii) Structural and non-structural measures for the management of flash floods

The first announcement (*Scope, theme and sub-themes, deadlines etc.*) needs to be prepared and circulated. The Action Plan may be discussed.

Mr. Bashir Ahmad informed (18 June 2007) that he would be preparing an appropriate document for the workshop and presenting it during the WG meeting.

### 5.4 New Working Group on 'Value Engineering'

Dr. Kamran Emami (Iran), for the first time, proposed formation of a new WG on '*Value Engineering*' during Beijing (2005) meeting. He has since been requested to prepare a short abstract for consideration of the WG. The WG, after due consideration, can recommend it to PCTA. Its adoption or otherwise is a matter of consideration by PCTA and IEC. Response from Dr. Emami is awaited

### 5.5 5<sup>th</sup> World Water Forum (March 2009) in Turkey

Prof. Josip Petras (Croatia) has prepared a paper on '*Water Management and Flood Control Issues in Croatia*' and a poster presentation on '*Flash Floods in Croatia*' for the WG workshop/meeting at Sacramento. The Chairman is in contact with Prof Petras and suggested to expand the paper in more general terms to '*Water Management in the Balkan*' for it to be considered as ICID contribution to WWF-5. The WG may deliberate.

*(A new Task Force is being constituted to guide ICID's Inputs to the 5<sup>th</sup> World Water Forum under the chairmanship of President Hon. Aly Shady (Canada) and coordinatorship of President Hon. Bart Schultz (The Netherlands).*

### Item 6 : Tenure of the Working Group

ICID by-law 3.3(b) stipulates that '*as the duration of the membership of a workbody is expected to be six years or less, the duration of the work to be undertaken by a temporary workbody should not exceed a period of six years*'. As mentioned above, the workbody has already outlived its stipulated tenure of 6 years and is accordingly advised to wind up its current activity plan within next 3 years at the maximum. Depending upon the extent and importance of unfinished work items or products with the workbody, the Council, upon the recommendation of the concerned Strategy Theme Leader and PCTA, may suitably extend the tenure of the workbody upto 2009. If needed, a new workbody with a new mandate, tenure and work plan can also be recommended to be set up.

The PANCID (20 January 2007) suggested continuance of WG-CAFM and handle its mandate. The importance of WG-CAFM cannot be overlooked, PANCID opines, as flood management is becoming a very important subject in the wake of rising global temperatures which has resulted in increased intensity and frequency of floods.

*(The issue of Tenure of the Working Group could not be discussed during Kuala Lumpur (2006) meeting due to limited number of WG members present).*

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**Item 7 : Any other business**

- **APFM Newsletter:** The Central Office has circulated the 12th Newsletter (October 2006) of the WMO/GWP Associated Programme on Flood Management (APFM) among all the WG members in November 2006 for information and perusal. Some of the topics covered in the Newsletter could have been of interest to our WG members.
- **3<sup>rd</sup> HEPEX Workshop:** Mr. M Gpalakrishnan, Secretary General, ICID forwarded the information on 3<sup>rd</sup> HEPEX Workshop scheduled to be held during 27-29 June 2007 in Stresa, Italy to Chairman, Ir. Dick de Bruin. Ir. de Bruin has confirmed (29 January 2007) his participation.
- **4<sup>th</sup> International Symposium on 'Flood Defence'**

The ICID Central Office has received an e-mail from Institute for Catastrophic Loss Reduction (ICLR), Canada regarding 4<sup>th</sup> International Symposium on 'Flood Defence' to be held during 14-16 May 2007 in Toronto, Canada. This information has since been circulated among all the members of WG-CAFM for their possible contributions and participation. For more information, please access their website ([www.flood2008.org](http://www.flood2008.org)).

- **EU : New Floods Directive adopted**

On 25 April 2007, 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. The directive was proposed by the Commission in 2006 in order to prevent and limit floods and their damaging effects on human health, the environment, infrastructure and property. The new Directive will require that Member States take a long-term planning approach to reducing flood risks.

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://ec.europa.eu/environment/water/flood_risk/index.htm)

<http://www.emwis.net/toics/floods>

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**A LIST OF PAST PRESENTATIONS ON FLOODS  
(Country Case Studies)**

- (1) **Dr Sang-il Lee (Korea)** presented an overview of flood problems at Seoul (2001).
  - (2) **Mr. Bob Quazi (Canada)** made a presentation on “Recent floods in Canada” during Montpellier (2004) meetings.
  - (3) **Mr R Jeyaseelan (India)** presented an overview of “Approaches to Managing Floods in India” over the past twenty years at Montpellier (2003). He also presented an overview of Recent Flood Problems in India during Moscow (2004) meeting of WG.
  - (4) **Mr D de Bruin (The Netherlands)** presented a paper on “Lessons Learned in Flood Water Management” at Montpellier (2003).
  - (5) **Prof. M. Viljoen (South Africa)** described institutional aspects of water and flood management in South Africa at Montpellier (2003).
  - (6) **Mr. A. Buber (Russia)** presented a paper highlighting the way in which floods passing through multiple dams in the Volga Basin are managed to meet the multiple objectives of water supply, navigation, fishery anagement and flood mitigation at Moscow (2004).
  - (7) **Mr. Peter Borrows (Great Britain)** described the development of Catchment Floodplain Management Plans in the Thames catchment at Moscow (2004)
  - (8) **Dr K Emami (Iran)** presented a paper on an extreme flood in Iran in 2001 (25% larger than the previously calculated PMF) at Moscow (2004).
  - (9) **Mr. Maurice Roos (USA)** presented a note on “Forecast based Reservoir Flood Operations”, describing the use of wetness parameters, rainfall forecasts and flood control diagrams to optimize storage operation for multiple objectives (2005).
  - (10) **Mr. Kun Gang Li (China)** presented an overview of flood problems in China over the past century, and new policies to harmonise co-existence between floods, droughts and the human population.
  - (11) **Mr. R. Jeyaseelan (India)** presented a paper “Catastrophic Urban Flooding” describing major flood events in Indian cities in 2005.
  - (12) **Dr. K. Emami (Iran)** showed video clips of recent failures and overtopping of coffer-dams in Iran (2005).
  - (13) **Mr. R. Jeyaseelan (India)** presented a paper on ‘Flash Floods and their Management in India’ (2006)
  - (14) **Mr. Maurice Roos (USA)** presented a paper on ‘Hurrican Katrina’ (2006)
  - (15) **Mr. Dick de Bruin (The Netherlands) and Mr. Peter Borrows (Great Britain)** prepared a Draft ICID position paper on ‘The Management of Riverine Floods’ (2006)
  - (16) **Mr. Dick de Bruin (The Netherlands), Guest Editor**, Special Issue: Integrated Flood Management ( *Volume 55 Supplement 1* ) of the ICID Journal on ‘Irrigation and Drainage’ (July 2006)
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AGENDA 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*

Date of Establishment: 1994

Completion of the Mandate: 2009

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

**Permanent Observer:** Mr. John Hennessy, President Hon. ICID (Great Britain).

#### A. CONTINUING ITEMS

##### Item 1 : Tenure and review of membership of the working group

###### 1.1 Tenure of the working group

At Kuala Lumpur meeting, the members discussed the importance of the continuation of the working group as it is highly relevant to the sustainable management of water resources. It was underscored that the group's task has become more important with increasing competition among different water use sectors and growing pressure on irrigated agriculture to use the water more efficiently.

In view of the provisions of the ICID by-law 3.3 (b), the group has agreed to present its achievements and plan of activities till 2009 to the PCTA. The Chairman had requested members to contribute their ideas and views to formulate new mandate and preparation of the new work plan up to 2009.

The Chairman will apprise the feedback received from members and the group will prepare a new work plan.

###### 1.2 Review of the membership

The Chinese National Committee (CNCID) has nominated Dr. Yuanhua Li in place of Prof. Kaipeng Jiang and Kazakhstan National Committee (KAZCID) has nominated Mr. Shakibaev Ilan Isataevich for the membership of the working group. The CVs will be tabled at the meeting and the group may like to consider these nominations.

Attendance of members at the meetings held in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the working group by any other representative of the concerned national committee is not deemed to be a contribution by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

##### Item 2 : Publication of the 'WatSave Scenario' document

Central Office had prepared a draft version of the book "*Innovative Technologies and Management for Water Saving in Agriculture*". President Lee had desired to bring out this document as a high quality publication of ICID. The Central Office had sent the original papers to the respective authors with a view to update/ revise those. There was an encouraging response from many authors.

The Central Office got the book printed and it will be released at Sacramento. Copies of the publication will be distributed to members and will also be kept for sale at the venue of the meeting.

Chairman may like to provide details of the publication.

**Item 3 : WatSave awards: Winners of 2006 and presentation of 2007 awards**

**3.1 Winners of the WatSave awards 2006**

For the WatSave Awards 2006, 14 nominations from seven national committees were received. The Award winners were - (1) Dr. Nico Benadé, South Africa - Innovative Water management Award, (2) Prof. Kang Shaozhong, China - Technology Award, and (3) Ms. Neelam Patel, India – Young Professionals Award. The awards were jointly sponsored by the Malaysian National Committee (MANCID) and the Spanish National Committee (CEYRD). Central Office has given wide publicity to the award winners through various ICID publications and the website.

**3.2 Presentation of WatSave awards 2007**

The Central Office in January 2007 has invited nominations from all national committees for the WatSave awards 2007. The announcement was published in ICID News Update and Newsletter, posted on ICID website and was also circulated among various water related International Organizations for wide dissemination through their regular Newsletters.

ICID instituted 'WatSave Awards' in 1997. The first award was presented in 1998. The year 2007 is the 10<sup>th</sup> year of launch of the awards. As a part of 10<sup>th</sup> anniversary celebration, a coloured flier inviting the nominations for the awards and providing a list of past award winners and sponsors was circulated widely among national committees and international organizations. The last date of receipt of nominations from the national committees to the Central Office was kept as 30 May 2007.

For the WatSave Awards 2007, in all 8 nominations from 4 National Committees were received by the Central Office. The nominations received were evaluated by an international '*Panel of Judges*' appointed by the President, ICID. The awards will be presented during the 58<sup>th</sup> IEC meeting scheduled to be held on 5 October. Chairman will provide further details about the awards.

**3.3 Sponsorship of WatSave awards**

At Kuala Lumpur meeting, majority members/observers were of the view that in future, the host National Committee- organizing the IEC meeting may volunteer to sponsor the award money. Accordingly, the Central Office has requested the United States Committee on Irrigation and Drainage (USCID) for sponsoring of award money towards the WatSave awards 2007. The Central Office is hoping for a favourable response from the USCID.

The Chairman will brief the latest situation in this regard.

**Item 4 : Framework for cooperation and interaction among ICID member countries and work bodies**

The WG has already taken some initiatives in cooperation with other ICID workbodies viz. WG-IADWS and WG-PQW. The WG has expressed interest to link group's activities with the IPTRID and the newly proposed working group on Modernization of Irrigation Services (WG-MIS).

Chairman may like to nominate members to liaise with the WG-MIS and IPTRID.

**Item 5 : Workshop on 'Water saving technologies in different regions'**

The WG had planned to hold a half-day workshop at Sacramento. However, the Chairman has proposed to differ it to the 20<sup>th</sup> Congress of ICID scheduled to be held in October 2008 at Lahore, Pakistan.

Dr. Hussein El-Atfy, Chairman will provide details of the proposed workshop in the meeting.

**Item 6 : Newsletter and webpage of the working group**

At Kuala Lumpur meeting, the Chairman had suggested to bring out a periodical Newsletter of the group both in hard and soft copies, commencing from 2007. The Chairman had requested all NCs to share their views and ideas

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in this regard. Similarly, all members were requested to provide information about new documents/ case studies, interesting photographs related to the working group activities for posting on the webpage of the WG ([www.wg-wats.icidonline.org](http://www.wg-wats.icidonline.org)).

Chairman will provide a feedback received from national committees and members.

**Item 7 : Work plan of the group**

During the last meeting, the members discussed about inclusion of some new innovative ideas in the revised work plan (2006-2009) of the WG. It was agreed that the water saving aspect should go beyond the technical issues - like the use of remote sensing techniques for water saving, institutional and legal issues among others, to encourage farmers and field managers to adopt/ implement the water savings.

The Chairman was to consult with Chairs of other related working groups and circulate a draft framework of the revised work plan (2006-2009) among members for their comments.

Chairman will present a revised work plan based on the feedback received from Chairs/ members.

**Item 8 : Any other business**

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**AGENDA 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**

**Year of Establishment: 1995****Completion of the Mandate: 2009**

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

**Permanent Observer:** FAO representative.

**Item 1 : Confirmation of the minutes of the 11<sup>th</sup> meeting of the Working Group**

The minutes of the 11<sup>th</sup> meeting of the Working Group held at Kuala Lumpur in September 2006 will be confirmed.

**Item 2 : Review of tenure and membership of the Working Group**

**2.1 Tenure of the Working Group**

At Kuala Lumpur meeting, the group had proposed to wind up its current activity plan by 2009. The group also had decided to prepare a new mandate to be discussed and approved at the Sacramento meeting. Chairman Ragab and Dr. Frans Huibers were to prepare a new mandate, with due consideration of the suggestions made at the Kuala Lumpur meeting. A draft version of the new mandate will be circulated to members well in advance for their comments and suggestions and will be discussed, amended and approved during the WG meeting.

**2.2 Membership**

***New nominations***

The following new nominations were received for the membership of the Working Group:

- Dr. Jinzhong Yang in place of Dr. Gao Zhanyi (China)
- Mr. Bekbayev Ussen (Kazakhstan)

CVs of both the nominees will be put up at the meeting for consideration of the group.

***Past nominations***

The following nominations were deferred at the Kuala Lumpur meeting due to non-attendance of the nominees:

- 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)

The group may like to consider these past nominations for the membership of the WG.

Attendance of members at the meetings held in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the Working Group by any other representative of the concerned National Committee is not deemed to be a contribution by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

## **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**

At Kuala Lumpur meeting, the Chairman referred to the new website of Dubai based International Centre for Biosaline Agriculture (ICBA) < [www.biosaline.org](http://www.biosaline.org) > which hosts detailed information on the use of highly saline water for crop production. During the meeting, Dr. Huibers also informed about efforts of the International Water Association (IWA) < [www.iwahq.org.uk](http://www.iwahq.org.uk) > in compiling a database on the extent of wastewater flows and irrigated area around the world. Dr. Huibers was to follow up with IWA and explore the possibility of providing link/ uploading this information to the group's webpage.

Dr. Ragab/ Dr. Huibers may like to apprise further developments.

### **Item 4 : Cooperation with other Workbodies and International Organisations**

#### **4.1 Cooperation with ICID workbodies**

Dr. Ragab Ragab, Chairman had requested all the members who have a membership in one or more ICID Working Groups to provide a feedback or a written report in order to establish more collaboration with other workbodies. Concerned members will present their feedback in the meeting.

#### **4.2 Cooperation with International Organisations**

Participation of related international organizations has been found to be very useful in enhancing the activities of the WG. The FAO has been regularly and actively participating as a permanent observer. Chairman was to contact the International Center for Bio-saline Agriculture (ICBA) and the Mediterranean Institute, Bari, Italy to explore possibility of their becoming permanent observers.

Dr. Ragab may like to apprise further developments at the meeting.

#### **4.3 Expert group meeting on municipal wastewater use for irrigation, November 2006, Yemen**

An expert group meeting on 'municipal wastewater use for irrigation' was held from 4 to 7 November 2006 in Yemen. The meeting was organised by Regional Center on Urban Water Management (RCUWM), Tehran; Wageningen University and Research Centre (WUR); University of Sana's; Water and Environment Centre (WEC). The main objectives of the meeting were – (i) to formulate a regional research agenda on the use of wastewater on the basis of an exchange of knowledge and information by a selected group of regional and international experts, and (ii) to create interest of donor agencies to financially support advanced research on the subject. The final report and recommendations of the expert group meeting can be viewed at <http://www.rcuwm.org.ir/events/meeting/>.

All members are encouraged to access the website and provide comments, if any.

### **Item 5 : Work plan of the Group**

Some of the group's ongoing activities will be wound up at the meeting. As per the prevailing work plan, the group is to produce two documents viz., (1) a note on irrigation with highly saline water for halophytes, and (2) a note on the use of saline water in different countries. Dr.(Ms) Samia El-Guindy (Egypt) had volunteered to prepare the notes.

Dr. El-Guindy/ Dr. Ragab will brief the status of preparation of these documents. The group will discuss about new/ revised activities for inclusion in the new work plan (2007– 2009) of the group.

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**Item 6 : Presentations by members**

At Kuala Lumpur meeting, Dr. Samia El-Guindy made presentation on 'aquaculture' highlighting its enormous growth and importance with special reference to Egypt. Dr El-Guindy had offered to make a follow-up presentation at Sacramento meeting. Dr. K. Shiaty (Iran) had volunteered to present a case-study on the use of non-conventional water in Iran. Dr.El-Guindy and Dr. Shiaty will make their presentation at the meeting

Members are requested to inform the Chairman well in advance about their intention to make presentation.

**Item 7 : Webpage for the workbody**

The Chairman had requested members to contribute to the group's webpage (<http://www.wg-pqw.icidonline.org/>) by sending related reports/ articles/ technical papers, outcome of the regional country level workshops, information on books, photographs etc. for posting on webpage. Members are requested to send related documents/ inform links directly to the Central Office for uploading on the webpage.

**Item 8 : Workshop on Desalination Technologies for Irrigation Purposes**

A *Workshop on Desalination Technologies* was planned to be held on 04 October 2007 at Sacramento. A first call for papers was distributed at the Kuala Lumpur meeting. However, due to inadequate response from authors/ speakers, the Chairman has informed the Central Office that the workshop will not be held at Sacramento. Chairman may like to discuss about the possibility of holding the workshop in future.

Chairman will apprise the group about the programme of the workshop.

**Item 9 : Any other business**

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AGENDA FOR 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 :** (1) Prof. (Mrs.) L. Vincent, Chairperson, 2004 (The Netherlands, 1995); (2) Mr. Stephen Mills, Vice Chairman (Australia, 2005); (3) Vice President Hon. (Mrs.) Shaden Abdel-Gawad, Vice Chairperson, 2006 (Egypt, 2001); (4) Prof. L. Ubertini, Secretary (Italy, 1989); (5) Vice President Hon. H. Fahmy (Egypt, 1995); (6) Dr. A. Delacourt (France, 1995); (7) Mr. J. Lelkes (Hungary, 1998); (8) Dr. John A. Replogle (USA, 1999); (9) Mr. Sietan Chieng (Canada, 2001); (10) Dr. (Mrs.) Irene Bondarik (Russia, 2001); (11) Prof. Jiesheng Huang (China, 2003); (12) Prof. J.G. Annandale (South Africa, 2003); (13) Prof. Yuanhua Li (China, 2003); (14) Mr. S.K. Chaudhuri; (15) Mr. Geoff Pearce (UK, 2003); (16) Mr. Ezzatollah Farhadi (Iran, 2005); (17) Dr. K. Palanisami (India, 2005); (18) Dr. Mohammad Che Husain (Malaysia, 2005); (19) Dr. Yohei Sato (Japan, 2005); (20) Mr. S.A. Assadollahi (Iran, 2006); (21) Mr. Ian William Makin (Great Britain, 2006); (22) Dr. Enrique Playan (Spain, 2006); (23) Mexican representative (MXCID); (24) Nigerian representative (NINCID); (25) Indonesian representative (INACID); and (26) Er. M. Gopalakrishnan, Secretary General, ICID.

**Observers/Permanent Observers :** (1) Dr. Carlos Garces-Restrepo (Italy), Programme Manager, IPTRID; (2) FAO Representative; (3) World Bank Representative; (4) IWMI Representative; (5) President Peter S. Lee, Chairman, CG-IPTRID, UK; and (6) Mr. Campoare Moussa Laurent, (ARID-Burkina Faso).

**Item 1 : Confirmation of the minutes of the first combined meeting of AC-IPTRID and WG-R&D held at Kuala Lumpur, Malaysia, 12 September 2006**

No comments received. Minutes may be confirmed, if there are no suggestions/modifications during the 2<sup>nd</sup> combined meeting.

**Item 2 : Finalization/recommendation for constitution of a new work body by merging AC-IPTRID and WG-R&D**

The Group confirmed its preference to act as a WG structure rather than a Task Force and decided on the merger of the two working groups in the first combined meeting held on 12 September 2006 at KL. The mandate for the new work body is given at the topic of this agenda.

**Item 3 : Review of the membership**

In the first meeting, it was decided that the current membership would continue. Members would be finalized in 2007 and a new WG would be in place for the Congress in Lahore. The new WG would emerge from the current members, but new members with interest and experience in the field would be sought. It was proposed that all new members would submit a list of their interest and work that they are prepared to undertake, as a condition of membership.

**3.1 Information on interests submitted from existing members.**

This will be tabled at the meeting.

### 3.2 Discussion on additional membership.

The agenda shows members present in the 2006 meeting. The committee needs to consider whether to seek nominations from additional countries. It is proposed that for countries with more than one representative, the National Committees be asked to nominate one member.

Current present members come from the following countries:

|                              |   |  |
|------------------------------|---|--|
| 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, <i>(USA in correspondence after member's retirement)</i> |

Countries from where representatives of previous committees were neither present nor renewed in the last two years: France (WG-R&D), Italy (WG-R&D), Hungary (WG-R&D), Mexico (AC-IPTRID), Nigeria (AC-IPTRID), Indonesia (AC-IPTRID)

Countries with more than one representative or in transition due to merger of two work bodies: Egypt, Iran, China.

Attendance of the members of AC-IPTRID & WG-R&D during the last two meetings (2005 and 2006) will be presented at Sacramento.

#### Item 4 : Name of the Working Group

Vice President Hon. Malano, Chairman PCTA advised that the Working Group should reach agreement on the name and to report its recommendation during the Sacramento meeting of PCTA for approval.

Results from contact with members of the new workbody will be tabled.

#### Item 5 : Election of Chairman, Vice Chairman and Secretary

Currently Prof Linden Vincent continues as Chairperson and Dr. Shaden Abdel-Gawad and Mr. Stephen Mills as Vice-Chairpersons, till new office bearers are elected. The 2<sup>nd</sup> combined meeting may decide to start the procedure to elect a new Chairperson, Vice Chairperson and a Secretary of the merged workbody.

#### Item 6 : Tenure of the Working Group

The Chairpersons of the Groups AC-IPTRID and WG-R&D noted in the first combined meeting that the tenure of the new merged Group would be fixed based on views emerging from the debate and synergizing activities planned. Views will be asked at this meeting.

#### Item 7 : Activities of the new combined Working Group

The members are asked to review ideas and possible plans for the three main activities which were agreed for the new merged Group (**Annex** summarizes the ideas/views emerged from the 1st combined meeting held in 2006).

### 7.1 Documenting Technology Innovation and Research Processes (Activities with AC-IPTRID)

To provide a two-way flow of information and discussion on research needs and technology innovations and to develop the programme of outputs 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
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- 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)**

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.

## **7.3 Commencement of a New Survey with National Committees**

A structured response was proposed to the suggestions received from National Committees based on the surveys conducted in 2004 and 2005. Plans for a new survey will be discussed and developed.

### **Item 8 : Uploading of combined website**

In first combined meeting it was decided that the uploading of the combined website would be developed in contact with the ICID secretariat. Action will be discussed.

### **Item 9 : Reports and books received**

IWMI (2007): Water for Food, Water for Life. A comprehensive Assessment of Water Management in Agriculture

World Bank (2006): Re-engaging in Agricultural Water Management: Challenges and Options.

### **Item 10 : Any Other Business**

### **Item 11 : Presentations**

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**DISCUSSIONS ON SYNERGIZING ACTIVITIES REQUIRED FOR  
AC-IPTRID AND WG-R&D – FEEDBACKS FROM 2006 MEETING**

In the Group discussion on the core activities that could be taken up for the new merged Group, the following views emerged:

- Dr. Palanisami (India) emphasized that the merger Group should concentrate on outreach and the technology transfer processes rather than new research, *per se*.
  - Mr. Ian Makin (UK) pointed out that the role for the merger Group in ICID is to give IPTRID inputs on research needs; it is necessary to find out ways and means of utilizing IPTRID's network amongst the new Group for disseminating information, as it has a different network and a varied 'reach' because of its involvement in different spheres of activities.
  - Vice President Dr. Alain Vidal brought out the need to realize as to who are represented in ICID. Very few irrigators or 'on-the ground' workers attend ICID meetings. So, the ICID WG may not be the competent Group to give advice to IPTRID. It would be helpful to have IPTRID for identifying the research issues through their networks to ICID /Working Group.
  - Dr. Shaden Abdel-Gawad (Egypt) noted that National Committees did include water managers and farmer groups (even if they did not attend international meetings). So, some of their messages could still come from the National Committees.
  - President Peter Lee commented that IPTRID has a strong position in ICID (in the PCTA) and ICID is a partner of IPTRID (and not a supervisor in any way). The further development of a good close association is more important. ICID needs to show its involvement in new technologies and technical issues in I&D as well as related problems in a wider context. He urged the participants to identify the clear activities for a specific timeframe of 3-6 years, and also to take a title that would be clear to new members joining in the Group.
  - Mr. W. Wolters (The Netherlands) emphasized the need to see research as a part of an investment activity or programme. He referred to the Australian presentation, which had shown producer's willingness to pay for research through a levy. He also commented on the return from funding of research within large-scale projects in Pakistan.
  - Prof. (Mrs.) L. Vincent (The Netherlands) pointed out that there are different styles of research, planning and monitoring, sometimes quite contrastingly, in various regions. This could be gleaned from the presentations made for Australia and India.
  - Prof. Tom Franks, Chairman, WG-CBTE suggested that the issue regarding capacity building be focused and studied as a part of research processes.
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**AGENDA 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 hour  
*Strategy Theme: Basin***

**Year of Establishment: 1986****Proposed Year of Closure: 2008**

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

**Observers/Permanent Observers :** (1) FAO representative; (2) ICOLD representative; (3) World Bank representative; (4) Dr. D. Zimmer, France; (5) Mr. Primoz Banovec, Slovenia; (6) Dr. H. El-Atfy, Egypt; and (7) Prof. H. Malano, Australia.

**Item 1 : Confirmation of the Minutes of the 21<sup>st</sup> Meeting of WG-ENV Held in Kuala Lumpur, Malaysia, on 10 September 2006**

No comments have been received on the circulated minutes of the 21<sup>st</sup> meeting. The minutes may be considered for confirmation.

**Item 2 : Tenure of the Working Group**

Decided to have a time targeted plan. See under Item 7.

**Item 3 : To Review the Membership of WG-ENV**

Mr. Alfred Heuperman (Australia), Member, WG-ENV indicated his desire to withdraw from WG-ENV vide his e-mail dated 19 December 2006.

The Iraqi and Indian National Committees of ICID have nominated Mr. Ahmed M. Aziz and Mr. C.K. Aggarwal (in place of Dr. P.S. Kelkar) respectively for the WG membership. CVs of Mr. Aziz and Mr. Aggarwal will be tabled for consideration at the WG meeting at Sacramento.

Attendance of the members at the meetings of the Working Group in 2005 and 2006 will be presented at Sacramento. Members who were neither present nor contributed through correspondence for the last two consecutive years are:

- Mr. Barkat Hadid (Syria)
- Prof. Laszlo Vermes (Hungary)
- Dr. Smiljan Juvan (Slovenia)
- Dr. Eiko Lubbe (Germany)
- Prof. Almeida Fernandez (Portugal)
- Mr. Mohammed Kazem Siah (Iran)



- Mr. Belguenani Hassane (Morocco)

## **A. CONTINUING ITEMS**

### **Item 4 : Climate Change**

#### **Item 4.1 : Climate Change Circulation Model and Impact of Climate Change on Water Management Activities**

The issues on Climate Change were brought to the notice of Chairman, WG-CLIMATE. On an enquiry made with the Chairman, WG-CLIMATE it was indicated that the issues relating to the topics of GCC received from various workbodies of ICID would be consolidated into a note and placed before the WG-CLIMATE meeting scheduled at Sacramento for consideration.

#### **Item 4.2 : Methane Flux from Irrigated Wetland Rice Fields: The Effect of Water Management and Rice Variety**

In the 21<sup>st</sup> meeting, it was decided to delebrate the issue through presentation of paper(s) on related topics during the workshop sessions scheduled at Sacramento.

### **Item 5 : Impacts of Water Projects on Human Health in Rural Areas**

Feedbacks through questionnaire circulation are yet to be received.

### **Item 6 : Progress Review on Implementation of ICID Strategy on ICID Vision**

#### **Item 6.1 : Environmental Cost and Benefits of Irrigation Scheme Involving Large Dams and Solutions for Mitigating Negative Impacts**

It was decided to take up the issues through presentation(s) of paper(s) during the workshop sessions.

Secretary General M. Gopalakrishnan has agreed to provide a briefing on Third World Centre for Water Management Workshop on "Reservoir Inundation Related Issues", held in Cairo, February 2007.

#### **Item 6.2 : The improvement of agricultural return flow and requirement of environmental flow**

Mr. Stephen Mills agreed to present a paper in the workshop based on the findings collected through performance evaluation report of Australian Project.

## **B. NEW ITEMS**

### **Item 7 : To draw up a time-targeted plan for the WG-ENV activities**

Chairman proposed to develop a time-targeted plan for completion of the pending tasks within a period of two years i.e. from 2006-2008 and decided to focus on:

- Identification of pending tasks based on mandate
  - Fixation of completion period for each task
  - Generation of satisfactory results at the end of each completion period and
  - Production of position papers, guidelines, checklist etc. based on the completed tasks.
-

**Item 8 : Organization of Workshop by WG-ENV**

Topics selected for deliberations during the workshop are:

- Three Gorges Dam project and environmental aspects (China),
- Drainage disposal and solutes in drainage water (Australia),
- Effect of irrigation and drainage activities on wetlands (Australia; Morocco),
- Non-point pollution in irrigation districts and their downstream effects (Korea),
- Environmental effects of new Nile barrier dams (Egypt),
- Drainage projects and their effects on the environment (Egypt),
- Environmental impacts of large dams (Pakistan),
- Monitoring the effects of irrigation and drainage schemes (France) and
- Reservoir Inundation Related Issues (Global).

All the WG members were requested to come up with papers related to the mandate of the WG-ENV and additional topics, if any.

*(Based on the request made by Central Office, a paper has been received from Morocco. Responses from others are awaited).)*

**Item 9 : Any other Business**

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**AGENDA FOR 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 :** (1) Prof. dr. Bart Schultz, Chairman (The Netherlands); (2) Mr. Paul J.M. van Hofwegen, Editor (The Netherlands); (3) Dr. D. Zimmer, Editor Emeritus (France); (4) Mr. Melvyn G. Kay (UK); (5) Prof. dr. Riota Nakamura (Japan); (6) Prof. H. Malano (Australia); (7) Dr. Bryan P. Thoreson (USA); (8) Mrs. Isabelle M. Proulx (Canada); (9) Prof. dr. James Murray de Jager (South Africa); (10) Prof. Mrs. Ir. Indreswari Guritno (Indonesia); (11) Dr. Benjamin de León Mojarro (Mexico); (12) Mr. Bernard Prefol (France); (13) Mr. Larry D. Stephens (USA); (14) Prof. L.S. Pereira (Portugal); (15) Prof. D.D. Wrachien (Italy); (16) Ir. Keizrul bin Abdullah (Malaysia); (17) Dr. S. Nairizi (Iran); (18) Prof. E.U. Nwa (Nigeria); (19) Dr. Chris Perry (UK); (20) Ing. Manuel Contijoch Escontria (Mexico); (21) Dr. Muhammad Latif (Pakistan); (22) Prof. Kwun, Soon-Kuk (Korea); (23) Prof. dr. Joachim Quast (Germany); (24) Prof. Y.C. Tan (Chinese Taipei); and (25) Dr. Vijay K. Labhsetwar, Coordinator (ICID Central Office).

**Item 1 : Confirmation of the minutes of 13<sup>th</sup> meeting of the Editorial Board**

The minutes of the 13<sup>th</sup> meeting of the Editorial Board held at Kuala Lumpur (2006), Malaysia will be 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) in place of Prof. Xu Zhifang, Dr. Nick van de Giesen (The Netherlands) and Dr. Bruce Lankford (U.K.) in place of Mr. Melvyn G. Kay for the membership of EB-JOUR, respectively. Their CVs will be placed for consideration during the meeting.

Central Office requested (10 April 2007) Prof. E.U. Nwa (Nigeria), Dr. A. Kandiah (USA) and Ing. Manuel Contijoch Escontria (Mexico) to advise, if they were still interested in continuing the membership of the EB-JOUR. In response, Dr. A. Kandiah's informed (10 April 2007) to withdraw his membership while Ing. Escontria informed (11 April 2007) to continue his membership in the EB-JOUR. Response from Prof. E.U. Nwa (Nigeria) is still awaited.

During discussions in 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*). Nominations for the Joint Editor (s) are open.

Attendance of Members at meetings in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the Working Group by any other representative of the concerned National Committee is not deemed to be a contribution by a member of a workbody. Refer to Annex 2 of PCSPOA Agenda (page A-27).

**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 Board this will be treated in a flexible way. The members of EB-JOUR may decide whether they want to continue their membership. Up to the time of the Sacramento meeting, Dr. Muhammad Latif (Pakistan) and Prof. dr. Bart Schultz (The Netherlands) would have served for 6 years in EB-Jour. 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. Prof. Latif will be requested whether he wants to continue his membership, or to step down.

### **Item 3 : Reports (from Editor, Chairman etc.)**

The reports of 2006 and for the period January – July 2007 were disseminated before the meeting among the members of the Editorial Board. These will be presented and discussed during the meeting also.

#### **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.

In response, the Central Office received comments/suggestions from Dr. John A. Replogle (USA), Dr. Enrique Playan (Spain), and Prof. Yuanhua Li (China), all from the Merged Group of AC-IPTRID & WG-R&D; Dr. Bryan P. Thoreson (USA), EB-JOUR; Dr. Hussein El-Atfy (Egypt), Chairman, WG-WATS; Dr. Neil Lecler (South Africa), Member, WG-WATS; Dr. Vermes Laszlo (Hungary), Member, WG-CROP; Dr. Illahi B. Shaikh (Pakistan), Chairman, C-CONGR; Dr. E.G. Kruse, Member, WG-CD and Er. M. Gopalakrishnan, Secretary General, ICID. The comments have since been forwarded to Prof. dr. Bart Schultz, Chairman, EB-JOUR and Dr. Chris Perry (UK) for consideration.

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*), based on selected, reviewed and improved papers. The guest editor was Dr. Intizar Hussain, Executive Director, INPIM, Islamabad, Pakistan. The issue contained 18 papers covering a wide range of poverty related issues, from governance to gender and irrigation. It was a joint activity of IWMI, IPTRID and ICID.

On the occasion of the 25<sup>th</sup> 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 September 2007.

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 5<sup>th</sup> World Water Forum;

In addition, several papers are under preparation on Tools for Participatory Decision-making in Water and Land Management (2008).

The Chairman will apprise the members.

#### **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 resumé**

Dr. Bernard Préfol (France) continues to provide the French Resumés of all the English abstracts for the Journal on voluntary basis.

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### **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 will apprise the members.

### **3.7 Discussion space at the website**

The Chairman will inform the EB on the actual use of this space.

### **3.8 Recognition to the reviewers**

It is proposed that in the last issue of the year, the reviewers will be acknowledged on a separate page. For 2006 this has been done in the first issue of 2007. 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 prize was awarded last year to Dr. T.B.S. Rajput and Ms. Neelam Patel (India) during Kuala Lumpur meetings (2006).

The Editor will further apprise the members.

## **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 papers on the web site and facilitates the review process.

For Web based submission of papers, interested contributors to the journal are required to log in (<http://mc.manuscriptcentral.com/ird>) and use his/her specific account and password (*utilizing the User ID*). In case of need, they should seek help of M/s. Wiley. Tips for uploading files and Images on '*Manuscript Central*' are accessible from Wiley website.

Members may note.

### **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 3<sup>rd</sup> Agreement. If not, proposals 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 2<sup>nd</sup> Agreement. M/s. Wiley has indicated its interest to continue with publishing our Journal. A draft proposal is expected to be 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.

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**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 are 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.

Members may note.

**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.

The Chairman will give a 'follow up' on this during the meeting.

**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.

The French Resumés will continue to be provided by Dr. Bernard Préfol (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.
- 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."*

Members may deliberate on these and other pertinent issues.

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**AGENDA 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**

**Year of Establishment: 1998****Completion of the Mandate: 2007**

**Members:** (1) Dr. Thierry Rieu, Chairman (France, 1998); (2) Ms. Felicity Chancellor, Vice Chairperson (UK, 2005); (3) Dr. (Ms.) Anisa Divine, Secretary (USA, 2000); (4) Mr. M.F. Viljoen (South Africa, 1998); (5) Mr. Mohd. Ali (Indonesia, 1998); (6) Ing. Josef Miskovsky (Czech Republic, 1999); (7) Dr. S.A. Assadollahi (Iran, 2000); (8) Mr. Francois Lelandais (France, 2003); (9) Dr. Shahbaz Khan (Australia, 2003); (10) Mr. S.V. Sodal (India, 2003); (11) Prof. Sylvain Perret (South Africa, 2003); (12) Mr. Vicente Carcelen (Spain, 2003); (13) Prof. Yohei Sato (Japan, 2004); and (14) Dr. (Mrs.) Margreet Zwarteveen (The Netherlands, 2005); and (15) Mr. Sezar Ercan (Turkey, 2006); and (16) Secretary General, ICID.

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

**Item 1 : Confirmation of the minutes of the 9<sup>th</sup> meeting of the Working Group held at Kuala Lumpur**

The minutes of the 9<sup>th</sup> meeting of the Working Group held at Kuala Lumpur in September 2006 will be confirmed.

**Item 2 : Tenure and membership of the Working Group**

**2.1 Tenure of the working group**

In pursuance to ICID By-law 3.3 (b) and also as agreed at Kuala Lumpur meeting, the group is to wind up its activities at Sacramento meeting.

At Kula Lumpur IEC meeting, there was a proposal/ suggestion to establish a new workbody on 'Impact of Irrigation and Drainage on Livelihood and Poverty alleviation'. In light of the correspondence exchanged between Dr. (Ms.) Anisa Divine, Secretary, and President Peter Lee in connection with the proposed workbody, the WG-SOCIO being directly concerned and interested in the subject, the issues like wealth creation, livelihoods and others can be transferred to the suggested/ proposed new workbody. To begin with it was proposed that some members of WG-SOCIO can join the new WG on "Impact of Irrigation and Drainage on Livelihood and Poverty Alleviation" on an adhoc basis, pending its formal constitution following usual procedures as per By-laws which can then come up for consideration in the PCTA/ IEC.

In view of the above, the group will take appropriate decision regarding winding up of some activities and transferring other activities to the suggested group on "Impact of Irrigation and Drainage on Livelihood and Poverty Alleviation".

**2.2 Membership**

The Central Office has received new nominations of Dr. Han Zhenzhong (China) for the membership. Since the group is winding up its activities at Sacramento meeting, the group may like to propose the names of the existing members as well as new nomination received for the membership of the proposed/ suggested workbody. In that case the Central Office will formally contact the concerned National Committees for their concurrence/ agreeing to join/ nominate those members for the new workbody.

Attendance of members at the meetings held in 2005 and 2006 will be presented at Sacramento.

## A. CONTINUING ITEMS

### **Item 3 : Guidelines on cost-benefit analysis of irrigation and drainage projects – a worksheet to calculate full cost of irrigation services**

Owing to lack of feedback from the members, the draft worksheet on “Calculation of full cost of irrigation services” could not be finalized within the stipulated time. Dr. (Ms.) Divine hoped that the final version of the worksheet could be tabled at the Sacramento meeting provided there would be adequate feedback from members.

Dr. (Ms.) Divine/ Dr. Rieu will apprise the group about the progress in preparation of the worksheet.

### **Item 4 : Economic evaluation of the social and environmental impacts of large irrigation and drainage projects**

At Kuala Lumpur meeting, Dr S.A. Assadollahi (Iran) volunteered to provide brief comments on the ‘checklist’ and Dr. Willem Vlotman (Netherlands) had indicated his willingness to provide a brief in the context of the present global drainage situation. Accordingly, the Central Office in March 2007 has contacted Messrs Assadollahi and Vlotman to update the further progress. Response is awaited.

Dr. Assadollahi/ Dr. Vlotman may like to apprise the group.

### **Item 5 : Progress in preparation/ finalization of questionnaires**

#### **5.1 Questionnaire on ‘Water Valuation in Agriculture’**

Due to non-attendance/ participation of Dr. Perret (South Africa) since last two meetings, this item could not be discussed. It was therefore proposed that Dr. Mkhize and Mr. A.T. Van Coller would carry forward the work in collaboration with Dr. Perret with a view to finalise the questionnaire. In this context, the Central Office contacted Dr. Perret and Dr. Mkhize in March 2007 to finalise the questionnaire at the earliest and present it at the Sacramento meeting. Response is awaited.

Dr. Perret/ SANCID representative will apprise further progress at the meeting.

#### **5.2 Questionnaire on ‘Analysis of the Role of Women in Irrigation’**

A draft questionnaire on ‘Analysis of the Role of Women in Irrigation’ as prepared by Dr. (Ms.) Divine was circulated amongst all National Committees (NCs). In response, filled-in questionnaires were received from INCID (India), ICID.UK (UK), CANCID (Canada), and USCID (USA). In view of the lack of sufficient feedback from National Committees/ members, no conclusion could be drawn from this exercise.

The group may like to decide on the continuity of this item.

### **Item 6 : Workshop on ‘Socio-economic Impacts of Institutional Options for Sustainable Water Management’, at Sacramento**

A questionnaire on ‘Comparative analysis of socio-economic impacts of different institutional arrangements of irrigation and drainage in various countries’ as prepared by Ms. Felicity Chancellor was circulated amongst all national committees and members in June 2006 with a request to provide case studies of irrigation schemes from their respective countries. It was proposed that based upon the feedback received from national committees/ members, the group would plan a workshop on ‘Socio-economic Impacts of Institutional Options for Sustainable Agricultural Water Management’ at Sacramento. At Kuala Lumpur, the questionnaire was thoroughly examined by the group so as to ensure its good understanding.

In order to further refine/ simplify and finalize the questionnaire, a task force comprising representatives from UK, USA, Australia, South Africa, and Turkey was formed. Subsequently, Central Office had circulated a questionnaire on ‘Comparative analysis of socio-economic impacts of different institutional arrangements of irrigation and drainage in various countries’ amongst all national committees and members with a request to fill-up and send to Dr. (Ms.) Anisa Divine and/or to the Central Office by 30 June 2007. In response, so far only three National Committees viz., SANCID (South Africa), IRQCID (Iraq), and JNC-ICID (Japan) have provided information.

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It was proposed that the based upon the feedback received from national committees/ members, the group would plan a workshop on 'Socio-economic Impacts of Institutional Options for Sustainable Agricultural Water Management' at Sacramento. In view of the inadequate response from national committees it was suggested to discuss the outcome of the questionnaire during the WG meeting itself.

The slot reserved for the WG-SOCIO workshop has now been allotted to another workshop i.e. '*Workshop on the Role of Irrigation on Poverty Alleviation and Livelihoods*' as requested by VPH Dr. Alain Vidal.

Ms. Chancellor/ and or Dr. (Ms.) Divine will apprise the group about further developments.

**Item 7 : Publications of the working group**

The group will review the progress in preparation of various ongoing documents/ publications.

**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**

Based on the recommendation of the Permanent Committee for Technical Activities (PCTA) at Kuala Lumpur, the IEC approved the closure of the task force for "Suggesting Effective Mechanism for Farmers' Involvement in ICID activities (TF-EIF)". While TF completed the entire mandated task, the task to study the implication of pricing of farm water subsidies, WTO, and other institutional issues that have potential impact on farmers remained to be completed and was recommended to be transferred to WG-SOCIO.

The group will discuss and decide the way forward.

**Item 9 : Any other business**

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AGENDA 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: On-Farm*

**Year of Establishment: 1986**

**Completion of the Mandate: 1992**

**Members :** (1) Dr. Ragab Ragab, Chairman (Great Britain); (2) Prof. A. Mermoud, Secretary (Switzerland); (3) Dr. B.I. Maticic (Slovenia); (4) Prof. M.E.V. Scarascia (Italy); (5) Prof. R.G. Allen (USA); (6) Mr. L.C. Tollefson (Canada); (7) Prof. Cai Linggen (China); (8) Dr. Y. Nakano (Japan); (9) Mr. Tai Cheol Kim (Korea); (10) Mr. Chen Yih-Rong (Chinese Taipei); (11) Mr. Vincente Carelon (Spain); (12) Dr. Andrew Sanewe (South Africa); (13) Dr. Florent Maraux (France); and (14) Secretary General, ICID.

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

**Working Group website:** <<http://www.wg-crop.icidonline.org>>.

**Item 1 : Confirmation of the minutes of the 20<sup>th</sup> meeting of the Working Group**

The minutes of the 20<sup>th</sup> meeting of the Working Group held at Kuala Lumpur (2006), Malaysia will be confirmed.

**Item 2 : Review of the membership of the Working Group**

As per the suggestion of the WG during the Kuala Lumpur (2006) meeting, the Central Office requested (29 March 2007) Hungarian, Netherlands, Nigerian, and Portuguese National Committees of ICID to send a fresh nomination along with a brief CV for consideration during the WG meeting (2007) at Sacramento, USA. Responses are awaited.

The Indian National Committee (INCID), the Pakistan National Committee (PANCID) and the Iranian National Committee (IRNCID) nominated Dr. Ashwani Kumar (03 April 2006), Dr. M. Rafiq (22 April 2006) and Dr. Seyyed Ahmad Heydarian (30 May 2006), respectively, for the membership of the WG. Their nominations were deferred since they were neither present nor represented during the WG meeting (2006) in Kuala Lumpur. The Central Office has requested (29 March 2007) the concerned National Committees to nominate such a person who could attend and/or actively participate in the WG meetings. Their responses are awaited.

Nomination of Dr. Meni Ben-Hur (Israel) for the membership of the Working Group could not be considered during Beijing (2005) and Kuala Lumpur (2006) as he was neither present nor represented by anyone from Israeli National Committee of ICID (ISCID). Central Office has requested (29 March 2007) ISCID to advise if they are still interested in nominating Dr. Ben-Hur for the WG membership. Response is awaited.

The Chinese National Committee on Irrigation and Drainage (CNCID) has nominated (09 April 2007) Dr. Guo Huibin (China) in place of Dr. Cai Linggen for the membership of the WG. Dr. Huibin's CV will be placed for consideration during the WG meeting (2007).

Further, as per the records at Central Office, Mr. Laurie C. Tollefson (Canada) has not been able to attend WG meetings for past two years but has contributed in 2006 to the activities of the Working Group (see Item 5).

Attendance of the members at meetings in 2005 and 2006 will be presented at Sacramento. It may be noted that representation of a member of the Working Group by any other representative of the concerned National Committee is not deemed to be a contributed by a member. Refer to Annex 2 of PCSPOA Agenda (page A-27).

**Item 3 : Cultivation Practices and Better Irrigation and Fertilizer Management for Different Crops**

Cooperation with WG-IADWS for preparation of '*Guidelines for Food Production under Limited Water Supplies*' is ongoing. Dr M.E.V. Scarascia (Italy) is in-charge of this valuable activity and may seek cooperation from colleagues in the WG to elaborate the guidelines. Dr. Graziano Ghinassi (Italy) has since 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. The Chairman will apprise the WG members.

**Item 4 : Interaction with ISO on Crops, Soils and Water Use related Terminology**

The WG is continuing to interact with ISO. The Central Office had received an invitation to participate in the 21<sup>st</sup> meeting of ISO/TC 190 '*Soil Quality*' to be held during 9-13 October 2006 at London, UK. Dr. Ragab, Chairman informed the WG during Kuala Lumpur (2006) meeting that he will do his best to participate in the meeting on behalf of ICID and apprise the WG members during Sacramento meeting (2007).

Dr. Y. Nakano (Japan) participated in the 20<sup>th</sup> meeting of ISO/TC 190 and apprised the WG members during Kuala Lumpur meeting (2006). ICID Central Office is in contact (29 March 2007) with him for a short report, for circulation among the members of the WG and also to upload on the WG webpage. Response is awaited.

**Item 5 : Review of progress on implementation of ICID Strategy on Vision**

The following documents have been submitted and uploaded on the WG website:

- '*Water saving practices in Rice Paddy cultivation*' by Mr. T.C. Kim (2002) Korea.
- '*State-of-art Report on Irrigation Systems in Japan*' by Dr. Y. Nakano (2002) Japan.
- '*Sustainable use of natural Resources for Crop Production in Pakistan*' by Dr. Shahid Ahmad (2004) Pakistan.
- '*Integrated Crop Pest Management (ICPM) by biological control*' by Prof. D. Wrachien (2004) Italy.
- '*Expected effect of drought on crop production and breeding methods*' by Emil Paldi and Laszlo Vermes (2004) Hungary.
- '*Organic Farming in Canada*' by Mr. L. Tollefson (2004) Canada.
- '*Agro-hydrology and irrigation efficiency*' by Prof. R. G. Allen (2005) USA.
- '*A compilation of statistical data on area irrigated under major crops*' by Mr. L.C. Tollefson (Canada) in cooperation with Mr. Jean-Marc Faures (FAO) in 2006.

Further expected contributions are as below:

- '*Politics on genetically modified crops : Experience of different countries*'  
Dr. Andrew Sanewe (South Africa) is working on the above document and is expected to review the situation in other African countries as well. Dr. Y. Nakano (Japan) is expected to submit a document on the situation of GM crops in Asia. It may be worthwhile to extend the study to Europe and Americas. The WG would discuss the issue and possibly identify potential contributors.

Central Office is in contact (29 March 2007) with all the concerned for their contributions. Responses are awaited. The Chairman will apprise the WG members.

**Item 6 : CROP Newsletter**

The WG Secretary, the appointed Editor of the Newsletter, informed that he has not received any contributions from WG members. Nevertheless, the CROP Newsletter No. 2 has been published and uploaded on the WG webpage. The WG secretary reminded the members of the WG for their contributions and comments to improve the Newsletter. WG members have been requested to send their contributions to the Secretary of the WG. Prof. A. Mermoud, Secretary (Switzerland) will apprise the WG members.

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**Item 7 : CROP website of WG**

The WG Website (<http://www.wg-crop.icidonline.org>) has been operational since 2003. A lot of information, documents and links are available. Suggestions to improve the WG website are welcome.

**Item 8 : Cooperation with International Network for Water and Ecosystem in Paddy Fields (INWEPF)**

Dr. Y. Nakano (Japan) represents the WG-CROP on International Network for Water and Ecosystem in Paddy Fields (INWEPF). He participated in the 2<sup>nd</sup> meeting of INWEPF (3 November 2005) in Seoul, Korea and presented an activity report and a Strategic Action Plan during the Kuala Lumpur meeting (2006), which has been since uploaded on the WG website.

A workshop on '*Sustainable Paddy Farming in Asian Monsoon Region*' was jointly organized by ICID WG-SDTA and Korea National Committee of INWEPF during 1-3 July 2007 at Seoul, Korea.

Mr. Tai Cheol Kim (Korea) will apprise the WG members.

**Item 9 : Future activities of the WG (activity plan)****9.1 Publications in Progress**

- **Crop Water Requirements and Irrigation Scheduling**

The second part of FAO-24 was under preparation and was expected to be available in 2006 but according to a mail from Prof. R.G. Allen (USA), incharge of this activity, the follow-up on "*Irrigation water management*" is still on hold. FAO is, however, working on a replacement to FAO-33 (Yield response to water) that will be available in the form of a computer model which will simulate soil-water-ET interactions and ET-yield interactions.

He further informs that the FAO-56 '*Crop Evapotranspiration*' methodology (*Guidelines for computing crop water requirements*) continues to be widely used. The FAO-56 report is in the process of being translated in Russian, Spanish and Chinese.

- **Guidelines for Food Production under Limited Water Supplies**

Publication on '*Guidelines for Food Production under Water Limiting Conditions*' is being prepared. Dr. G. Ghinassi (Italy) has submitted his contribution (Item 3), which is available on the WG webpage.

**9.2 Workshop on "Water savings in conservation agriculture" in 2008**

The WG would be organizing a Workshop on "*Water savings in conservation agriculture*" during the 20<sup>th</sup> Congress of ICID and 59<sup>th</sup> IEC meeting in 2008 at Lahore, Pakistan. The Central Office has requested (29 March 2007) Dr. Florent Maraux (France), incharge of the workshop, to prepare an announcement/call for papers (*scope, themes/sub-themes and deadline for submission etc.*) of the workshop for distribution during Sacramento meetings in September-October 2007. Response is awaited.

The Chairman will apprise the WG members.

**Item 10 : Tenure of the Working Group**

The WG-CROP was established in 1986 and has already outlived the stipulated tenure of 6 years. It was proposed to wind-up its activities within next 3 years but the discussion was differed to Sacramento meeting (2007) due to expected higher participation of WG members there. It is proposed to discuss precisely when the WG has to be dissolved and the relevance of establishing a new workbody in a domain still to be defined. Consequently, the Work Plan of the WG has been updated only for 2007; at the moment, nothing further is foreseen for 2008 (**Annex**).

The Chairman will apprise the WG members.

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**Item 11 : Organic versus Conventional Farming**

Mr. L. Tollefson (Canada) had prepared a document on “*Organic Farming in Canada*” in 2004. It was desired to enlarge the activities in the field of organic versus conventional farming with the involvement of Dr. R. Ragab (UK), Dr. Sanewe (South Africa) and Mr. L. Tollefson (Canada). Special emphasis is expected on the impacts of organic farming on the components of the water balance and on water quality. Central Office is in contact (22 May 2007) with them for their contributions. Responses are awaited.

The Chairman will apprise the WG members.

**Item 12 : Precision Agriculture**

A new activity entitled “Precision agriculture in order to increase water and nutrient efficiency” was proposed during the Beijing meeting in 2005. Dr. Kuo Sheng-Feng (Chinese Taipei) made a Power-Point presentation on this topic during Kuala Lumpur meeting in 2006, which has been since uploaded on the WG webpage. The WG members may discuss and initiate more activities under the topic.

The Chairman will apprise the WG members.

**Item 13 : Any other business**

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**WORKING GROUP ON SUSTAINABLE USE OF NATURAL  
RESOURCES FOR CROP PRODUCTION (WG-CROP)**

**Work Plan (2007-2008)**

| Sl.<br>No. | Activity  |   |
|------------|---|---|
|            | 2007  | 2008  |
| 1          | Continuation of work on ICID Strategy on Vision   | To be defined according to decisions on the tenure of the Working Group |
| 2          | Follow-up of activities on Precision Agriculture to increase water and nutrients efficiency |   |
| 3          | Enlarge activities on organic versus conventional farming throughout the world              |   |
| 4          | Elaboration of a document on "Water savings in conservation agriculture"                    |   |
| 5          | Preparation of a workshop on "Water savings in conservation agriculture" to be held in 2008 |   |
| 6          | Presentation by WG members of ongoing work related to the activities of the WG              |   |

**AGENDA 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**

**Members :** (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 Chandra A. Madramootoo, Chair, PFC (Canada); (5) VPH Hector M. Malano, Chair, PCTA (Australia); (6) VPH Alain Vidal, Chair, PCSPOA (France); (7) Engr. M. Gopalakrishnan, Secretary General, ICID (India); (8) Prof. Riota Nakamura, Vice President Hon., ICID (Japan); (9) Prof. Victor A. Dukhovny, Vice President Hon., ICID (Uzbekistan); (10) Prof. Dr. (Mrs.) Shaden Abdel Gawad (Egypt); and (11) Representative of Turkish National Committee, ICID (Turkey).

**Terms of Reference (ToR)**

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

**Item 1 : Introductory remarks by Chairman and Coordinator**

The Chairman will introduce his proposal for ICID's contribution to WWF-5 and on the methodology to prepare ICID inputs under relevant themes and subthemes of the Forum for discussion with the members. The overarching theme of the 5<sup>th</sup> WWF is "Bridging Divides for Water" which is expected to create an enhanced understanding and improved information exchange between and amongst the water users, decision makers, and water practitioners at local, regional and global levels. The thematic priorities are yet to be finalized, though an initial indication is available.

**Item 2 : Offers for contribution from ICID National Committees and Workbodies**

The meeting will consider as to how the inputs from ICID National Committees and interested workbodies could be invited and used for the WWF-5.

The Chair/Coordinator will suggest the areas where the cooperation and collaboration with other water-related international organizations could be sought for joint sessions and inputs/outputs for the Forum.

**Item 3 : Any Other Business (with the permission of the Chair)**

**AGENDA 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**

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

**Permanent Observers :** (i) Dr. C.D. Thatte, ICOLD representative; (ii) Dr. Stephen Maxwell Donkor, UN Water/Africa Section/Ethiopia.

**Item 1 : Confirmation of the Minutes of the 3<sup>rd</sup> Meeting of the Task Force held at Kuala Lumpur, Malaysia on 12 September 2006**

No comments received. The minutes may be considered for confirmation.

**Item 2 : Review of the Membership**

In the 3<sup>rd</sup> meeting the nomination of Mr. R.K. Sharma received from the Indian National Committee (INCID) was accepted. INCID has nominated Mr. A.D.Bhardwaj in place of Mr. R.K. Sharma for membership consideration in TF-IBWT.

The CV of Mr. A. D. Bhardwaj, India will be placed before the fourth meeting for consideration.

**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 will be mailed to the members about a month before the 4<sup>th</sup> meeting and will be presented and discussed during the meeting.

**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 m<sup>3</sup>/s (30 Mcu m/yr).

It was reported during the 3<sup>rd</sup> meeting that there are a few existing/proposed IBWTs to be covered. These schemes are in Congo – Lake Chad Basin, Great Britain, Korea, Lybia, Nigeria, Nepal and Turkey.

Chairman TF-IBWT exchanged his views with Mrs. Jancy Vijayan, Coordinator, TF-IBWT after hearing her presentation on IBWT during his visit to the Central Office, immediately after the third meeting of the TF-IBWT held at Kuala Lumpur, Malaysia. The CO has accordingly added the information on existing and proposed projects in Congo – Lake Chad Basin, Great Britain, Korea, Lybia, Nigeria, Nepal and Turkey. The overall text, tables and annexures provided under various chapters of the draft report are now upgraded.



The upgraded report circulated amongst to all the National Committees of ICID for their views and supplementary information, if any, had resulted in a few more observations. During the time of finalization of the agenda items, the CO received responses from USA, Spain, The Netherlands, South Africa, Iran, Great Britain, Czech Republic, Chinese Taipei Committee, Japan and India. The finalized draft is likely to be ready by the end of July and will then be circulated to all the Members and Permanent Observers of TF-IBWT in August 2007.

**Item 5 : Cooperation with other International Organizations**

Dr. Stephen Maxwell Donkor, Coordinator, UN Water/Africa Secretariat, Ethiopia requested the Chairman, TF-IBWT to present the outcome of the 3<sup>rd</sup> meeting of the TF-IBWT held on 12 September 2006 (either by Chairman, TF-IBWT or a member of TF-IBWT) at their workshop on “Developing Guidelines for Inter Basin Water Transfers (IBWT) Projects for Policy Makers” scheduled to be held at Accra, Ghana from 25-29 September 2006. The invitation was accepted. It was agreed that the Chairman would approach Engr. Musa (Nigeria) to give a presentation in Accra.

Accordingly the Chairman approached Engr. Musa and requested a presentation on IBWT Global compilation. The output generated as a result of deliberations at Accra, Ghana have been considered, while framing the draft recommendations highlighted under Chapter 6 of the draft publication of ICID on “Global Experiences on Inter Basin Water Transfers for Irrigation, Drainage and Flood Management”.

**Item 6 : Time Schedule of Task Force Report Publication**

In the 3<sup>rd</sup> meeting of the TF-IBWT held at Kuala Lumpur, Malaysia, It was proposed that the draft final report would be prepared during the coming year and that the Task Force would have its final meeting in Sacramento, USA. At that time it was also expected that shortly after the Sacramento meeting, the report could be published.

**Item 7 : Exchange of Information on Inter Basin Water Transfer Projects**

During the 3<sup>rd</sup> meeting short presentations were given on IBWTs in Japan, China, Congo - Lake Chad, Korea, Pakistan and USA.

While deliberating on the various issues and aspects on IBWT in its third meeting, it was proposed to make a presentation by the Chairman, TF-IBWT during the occasion of 4<sup>th</sup> meeting and invite comments/views from the participants for further updating/incorporation, if any, needed to upgrade the value of ICID publication on IBWT.

Members and observers are invited to give short presentations on recent developments with respect to Inter Basin Water Transfers in their country.

**Item 8 : Any other Business**

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**AGENDA FOR THE TWENTY EIGHTH MEETING OF THE  
PERMANENT FINANCE COMMITTEE (PFC)  
Sacramento, USA  
30 September 2007: 14.00 – 17.00 hours**

**Members:** (1) Prof. Dr. Chandra Madramootoo, Chairman (Canada, 2006); (2) Dr. Saeed Nairizi, Vice Chairman (Iran, 2006); (3) Mr. Joseph I. Burns, Secretary (USA 2003) (4) Dr. K. Palanisami, (India, 2005); (5) Dr. Ing. Stefano Salbitani (Italy 2003); (6) Mr. Yuanhun Li (China 2003); (7) Dr. A.V. Kolganov (Russia 2003); (8) Prof. Dr. Kinji Ohashi (Japan 2004); (9) Dr. Laszlo G. Hayde (Hungary, 2004); (10) Dr. Alain Vidal (France, 2006); (11) Mr. Syed Raghieb Abbass Shah (Pakistan, 2006); (12) Mr. M. Gopalakrishnan, Secretary General, ICID.

| Item No. | Agenda Items   | Page No. |
|----------|--|----------|
| 1.       | Confirmation of the minutes of 27 <sup>th</sup> Meeting of Permanent Finance Committee held at Kuala Lumpur, Malaysia on 12 September 2006   | A-202    |
| 2.       | To review membership of the Committee  | A-202    |
| 3.       | To consider the position of arrears of annual subscription and consequential remedial action   | A-202    |
| 4.       | ICID Internal Review- PFC  | A-204    |
| 5.       | To review progress on financial and administrative arrangements for forthcoming ICID Conferences:<br><br>(i) 59 <sup>th</sup> IEC Meeting and 20 <sup>th</sup> International Congress on Irrigation and Drainage, Lahore, Pakistan, 2008<br><br>(ii) 60 <sup>th</sup> IEC Meeting and 3 <sup>rd</sup> African Regional Conference, Abuja, Nigeria, 2009<br><br>(iii) 61 <sup>st</sup> IEC Meeting and 6 <sup>th</sup> Asian Regional Conference, Indonesia, 2010 | A-204    |
| 6.       | To discuss and recommend to IEC the audited Accounts for the year 2006-07  | A-204    |
| 7.       | Forecast for the current financial year 2007-08  | A-205    |
| 8.       | To consider and recommend to IEC the budget for the financial year 2008-09   | A-207    |
| 9.       | To consider the preliminary budgets for years 2009-10 and 2010-11  | A-209    |
| 10.      | To note the external funding assistance received in 2006-07 and identify additional funding sources<br><br>(a) Status of grant received under Country Policy Support Programme from the Government of Netherlands  | A-211    |
| 11.      | Any other business (with the permission of the Chair)  | A-211    |

**General Note :** Conversion rate of US\$ versus Rupee used in the budget and forecasts

| Average Exchange rate of 1 US \$ for the last fourteen months |       |                |       |               |       |
|---|-------|----------------|-------|---------------|-------|
| Month   | Rs.   | Month          | Rs.   | Month         | Rs.   |
| April 2006  | 44.75 | September 2006 | 45.98 | February 2007 | 44.02 |
| May 2006  | 45.13 | October 2006   | 45.34 | March 2007    | 43.79 |
| June 2006   | 45.89 | November 2006  | 44.68 | April 2007    | 41.96 |
| July 2006   | 46.34 | December 2006  | 44.44 | May 2007      | 40.60 |
| August 2006   | 46.40 | January 2007   | 44.18 |               |       |

A conversion rate of US\$1=Rs.45 was assumed in the forecast for year 2006-07 on the basis of exchange rate in the first five months of 2006. The actual rate at which the subscription was received during 2006-07 works out at US\$1=Rs. 45.07. An exchange rate of US\$1=Rs.40 has been assumed for forecast of year 2007-08, budget for Financial Year 2008-09 and preliminary budget for the Financial Years 2009-10 and 2010-11, on the basis of the exchange rate 1US\$ = Rs. 40.60 in the month of May 2007.

**Item 1 : Confirmation of the minutes of 27<sup>th</sup> Meeting of Permanent Finance Committee held at Kuala Lumpur, Malaysia on 12 September 2006**

The minutes of the 27<sup>th</sup> meeting of the Permanent Finance Committee (PFC) held at Kuala Lumpur, Malaysia were circulated to the members. No comments have been received in the Central Office. The minutes may be confirmed.

**Item 2 : To review membership of the Committee**

- According to By-law 3.2.2(c), the Committee shall have a minimum of nine and a maximum of 15 elected members in addition to the Secretary General.
- To fill up vacancies on the Committee, the Central Office had invited nominations from NCs. The following replacement has been received for the membership of the Committee.

Chinese NC- Dr. Gao Zhanyi in place of Mr. Yuanhun Li.

**Item 3 : To consider the position of arrears of annual subscription and consequential remedial action**

**3.1 Arrears**

Fifteen active NCs were in arrears of subscription as on 31 March 2007. Of these 9 were in arrears of balance of one year or more and 6 were in arrears of two years or more. At the time of writing of the agenda notes, the status of arrears of subscription, excluding the current year 2007, is as follows:

**3.1.1 Guyana (GUCID)**

As on 31 March 2007, in addition to the subscription for the year 2007, GUCID was in arrear for the years 2005 and 2006 (US \$ 3160). A sum of US\$ 3,133 was received in the Commission's account with Canara Bank, New Delhi in the first week of April 2007. This sum was adjusted against the subscription of GUCID for the years 2005 and 2006 (treating the balance US\$ 27 as bank charges). Thus, the National Committee has to pay its subscription for the current year 2007 only.

**3.1.2 Malaysia (MANCID)**

As on 14 June 2007 a sum of US\$ 6,233.50 was received in the Commission's account with Canara Bank, New Delhi. This sum was adjusted against the arrears of subscription of MANCID for the years 2005 and 2006 and for the current year 2007 (adjusting balance US\$ 6.50 as bank charges). Thus, MANCID has cleared all its subscription payments.

**3.1.3 NCs in arrears of two years or more (excluding 2007) are as follows :**

- |  |                 |
|--|-----------------|
| 1. Former Yugoslav Republic of Macedonia (MAKCID) (2005, 2006) | : US\$ 2,790.00 |
| 2. Lithuania (LNCID) (2005, 2006)                              | : US\$ 5,140.00 |
| 3. Nepal (NENCID) (2005, 2006)                                 | : US\$ 2,590.00 |
| 4. Nigeria (NINCID) (2005, 2006)                               | : US\$ 2,980.00 |

Attention of these NCs was drawn in February 2007 to the aggravating situation leading to their becoming “deemed inactive” on 1.1.2008, if arrears for 3 years or more remain unpaid by 31 December 2007. Subsequently, reminders were also issued to these NCs but there is no response from them. The above NCs have been requested to attend the meetings of PFC.

**3.1.4 Reactivation of National Committees****Bangladesh National Committee (BANCID)**

BANCID was deemed inactive Committee with effect from 1 January 2006 being in arrears of annual subscription for three years or more. With the initiative of Mr. Mir Sajjad Hossain, Member-Secretary, BANCID a demand draft of US \$ 11,750 was received in the month of June 2007 clearing all its arrears for the period 2003-2006 as well as the current year 2007. BANCID has thus become active, without any break.

**Iraqi National Committee (IRQCID)**

IRQCID was deemed inactive Committee with effect from 1993 being in arrears of annual subscription for three years or more. With the initiative of Mr. Ahmed M. Aziz, Secretary, IRQCID a sum of US \$ 4050 for the year 2006 was received in the Commission's account with Canara Bank, New Delhi in November 2006. With this remittance the Iraqi NC has activated its membership with effect from the year 2006.

With the reactivation of these two NCs, the total active NCs of ICID have now become 61 as on 1.7.2007.

**3.1.5 Kenya (KENCID)**

An application has been received from Kenya (KENCID) requesting the following:

- (i) restoring KENCID's membership to ICID, as a continuing member.
- (ii) writing off the outstanding subscription arrears for the period 1999-2002 since their financial position is not strong enough [to pay the arrears (US\$ 5440) in addition to the subscription for the current year].
- (iii) lifting the sanctions that are currently imposed on KENCID.

The economic condition of Kenya is similar to that of Vietnam, which is in the category of low economic status. A similar case of Vietnam was considered at 22<sup>nd</sup> PFC meeting held at Seoul, Korea in 2001, where the Committee decided to waive off the past arrears and recommended that the subscription for current year being accepted, while reactivating its membership from 2002. Kenya's case may be considered on similar line. This is recommended as per By-law 13 of ICID. The National Committee was asked to pay the current year's (2007) subscription urgently, while the case for waiving off the arrears will be dealt with by PFC. Their response is awaited.

**3.1.5 Kazakhstan (KAZCID)**

KAZCID by paying its half year's subscription for the year 2006 in December 2006 activated its membership with effect from July 2006.

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**Item 4 : ICID Internal Review- PFC**

Members would recall the presentation made by Prof. Chandra Madramootoo, Convenor, Special Committee to Review the Revenue and Cost Options to Improve ICID's Finances and the subsequent discussions (as recorded under item 11 Report of the PFC in IEC Minutes).

The IEC decided that some of the key recommendations in the interim recommendations of the above Internal Review Committee Draft Report would be considered further in Sacramento. These inter alia, include:

1. Increase in Annual subscription fee of National Committees
2. Share of 40% from Congress fee and 15% from IEC Annual Fee
3. Exploring revenue from publications in general and Journal, in particular.

The IEC would be considering the Draft Internal Review Report of PFC under finalization, in Sacramento. Central Office provided necessary material in this regard to the PFC Chair, Vice Chairperson Vice President Hon. Nairizi and others.

PFC Chair may wish to present his draft final report for consideration by the Committee for discussion and recommendations to IEC.

**Item 5 : To review progress on financial and administrative arrangements for forthcoming ICID Conferences**

- (i) 59<sup>th</sup> IEC Meeting and 20<sup>th</sup> International Congress on Irrigation and Drainage, Lahore, Pakistan, 2008
- (ii) 60<sup>th</sup> IEC Meeting and 3<sup>rd</sup> African Regional Conference, Abuja, Nigeria, 2009
- (iii) 61<sup>st</sup> IEC Meeting and 6<sup>th</sup> Asian Regional Conference, Jogjakarta, Indonesia, July 2010

The concerned NCs have been requested to attend PFC meeting as invitees to present the current status of preparations (administration as well as financial) for the meeting/conference being organized by them. The host (Pakistan) NC of the forthcoming Congress, through its representative was asked to put up its proposal regarding the conference registration fee and 50% share to ICID from registration fee of the Congress, as well as an explanatory statement of the anticipated receipts/expenses for review by the Committee.

PFC may review the progress in respect of forthcoming events and report as appropriate for Council's consideration and approval.

**Item 6 : To discuss and recommend to IEC the audited Accounts for the year 2006-07****6.1 Auditor's Report**

The abridged auditor's report (abridged) for the period from 1 April 2006 to 31 March 2007, i.e. for the financial year 2006-07 in the format approved at Varna is at **Annex 1**, page A-212 .

**(1) Outstanding dues of subscriptions:** The outstanding balance of subscriptions of 15 active countries as on 31 March 2007 is US\$ 55,368.16. The outstanding balance as on 31 March 2006 was US\$ 42,073.16 from 16 active NCs.

- (a) **Subscription realized :** The Management Board, at its 27<sup>th</sup> Meeting held in Cape Town, South Africa on 2 October 2000, approved the change in fiscal year of the Commission from calendar year to financial year (commencing from 1<sup>st</sup> April and ending on 31<sup>st</sup> March next year), but annual subscription are being received on a calendar year basis. Against the amount of subscription totaling to US\$ 211,990 due from 60 active NCs for the year 2006, a remittance of US\$ 173 924 has been received by the end of 31 March 2007. This shows 82 per cent realization of the total subscription for the year 2006, same as for the year 2005. It is seen that 46 out of 60 active members have paid their subscription for the year 2006 (Bangladesh not included as its subscription for the year 2006 was received in June 2007).
  - (b) There are no subscription and publications dues for more than 3 years.
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## 6.2 Foreign Currency Accounts

The Foreign Currency Accounts with Canara Bank, New Delhi, India and HSBC Bank plc. London were audited. These accounts have been incorporated in the audit of the account of the Commission for the period ending 31 March 2007. The brief details of these accounts are as follows:

- (1) In the Foreign Currency Account with Canara Bank, New Delhi, India, total receipt during the year 2006-07 was for US\$ 178 767 and payment of US\$ 165 651 . Balance as on 31.3.2007 was US\$ 149 698.
- (2) In the HSBC Bank plc. London, during the year 2006-07 the receipt is for US\$ 20 972 only. Balance as on 31.3.2007 was US\$ 274 570 against prescribed balance equivalent to 1 year subscription of US\$ 228 485 (for the year 2000).

## 6.3 Staff Provident Fund

The statement for the year 2006-07 in respect of the Staff Provident Fund Account under ICID Employees Provident Fund Trust was audited separately by the auditors. The amount standing at the credit of the subscribers as on 31 March 2007 was Rs. 13 366 940 (excluding the Reserve Fund of Rs. 51 914 of the Staff Provident Fund) against Rs. 11 112 347 as on 31 March 2006. Reserve Fund is mainly used for the purpose of payment of Auditor's fee and Miscellaneous Expenses of the Trust.

In the light of the Council's decision of 1983, the audited balance sheet and the receipts and payments account of 'ICID Employees Provident Fund Trust' are not included in the printed agenda.

## 6.4 Comparison of budgeted estimates and actual expenditure for the year 2006-07

As against the approved outlay for 2006-07 as presented at Kuala Lumpur, Malaysia the actual expenditure ending 31 March 2007 (*including receipts*) showed a deficit of Rs. 697 644 for the year 2006-07 as against the anticipated deficit of Rs. 5 508 300 discussed in the last IEC (**Annex 1A**, page A-215).

The decrease in the anticipated deficit is due to following reasons:

- (i) Lesser expenditure on purchased services and new equipments and good use of internet for communication resulting in saving on postage expenditure
- (ii) Saving in Salary expenditures owing to the deployment of two staff members on CPSP related work, covered under 'Grant'.
- (iii) Deferred payment of 25% of rent received from the tenant, to MoUD (GoI) as allocated earlier. Reply is awaited from MoUD. This is however payable, in future.

## 6.5 Non Transferable Fund Accounts:

These fund accounts consist of the following:

- (a) Gratuity Fund: The fund is used for making payment to outgoing staff. Receipt in this fund consists of the transfer from main account and interest earned on fixed deposits.
- (b) Superannuation Fund: The fund is used for making payment to retiring personnel of the Commission. Receipt in this fund consists of transfer from main account and interest earned on fixed deposits.
- (c) Dictionary Fund: The fund is used for the revision of MTD and any other related expenses. Receipt in this fund consists of receipt from the sale of MTD and interest earned on fixed deposits.

PFC may consider and recommend the audited accounts for the year 2006-07 for approval by the Council, *with or without comments, if any.*

## Item 7 : Forecast for the current financial year 2007-08

The budget for the financial year 2007-08 was approved by the Council in September 2006 at Kuala Lumpur. The year is likely to end with a deficit of Rs. 9.50 M as against the deficit of Rs. 4.72 M, which was earlier placed before Kuala Lumpur PFC and got approved in the 57<sup>th</sup> IEC (**Annex 1A**, page A-215). The reasons for this change are given under item 7.2.7.

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## 7.1 Receipts

**7.1.1 Anticipated Receipt from Subscription:** Annual membership subscription in respect of 61 active NCs as receivable is Rs.8 573 000.

### 7.1.2 Publications

Royalty from ICID Journal for publication year 2006 amounting to US\$ 11 433 has been received from M/S John Wiley & Sons, Publishers.

### 7.1.3 Grants

A sum of Rs.500 000 has been considered as '*likely*' receipt during Financial Year 2007-08 from unidentified sources (as *grant for works that might be undertaken*).

### 7.1.4 Rent Receipts

A receipt of Rs. 7 099 000 is anticipated in 2007-08 from the First Floor premises of Central Office leased out to M/s Yes Bank Ltd.

## 7.2 Payments

**7.2.1 Salary and Allowances:** As against the sanctioned staff strength of 28, Central Office functioned with a staff of 22- leaving the vacancies unfilled (78% strength working).

As against an amount of Rs. 11 672 000 in the budget that was approved in 57<sup>th</sup> IEC Kuala Lumpur, a slightly increased amount of Rs. 11 879 000 is provided as the forecast up to the end of this financial year. This increase is due to provision of superannuation dues to be paid to one retiring staff member during the year 2007-08.

**7.2.2 Services and Maintenance:** Provision for some items under the head 'Services and Maintenance' is modified according to requirements during 2006-07, keeping in view the austerity stipulations.

### 7.2.3 Printing and Distribution

#### ICID Journal

A provision of Rs. 1 380 000 has been made for payment towards subscription of 1000 copies to M/s Wiley & Sons, Publishers of ICID Journal, for the year 2007.

#### Special Publications

The details of provision of Rs. 590 000 for the year 2007-08 on account of likely special publications is as follows:

|  | Rs.    |
|--|--------|
| History of irrigation, drainage and flood control in Eastern Asia  | 100000 |
| History of irrigation, drainage and flood control in Southern Europe and the Mediterranean                                 | 80000  |
| Inter- Basin Water Transfers-Global Experience - Analyses and Recommendations (CD-ROM)                                     | 30000  |
| Innovative Technologies and Management for Water Saving in Agriculture   | 150000 |
| Manual for performance evaluation of sprinkler and drip irrigation systems in different agro-climatic regions of the world | 200000 |
| CD-ROM of Task Force Reports (TF 2 to TF 5)  | 30000  |



#### **7.2.4 Travel / Meeting**

A provision of Rs. 548 000 is made in financial year 2007-08 for Secretary General's and Secretary's participation in 58<sup>th</sup> IEC, Sacramento, USA.

#### **7.2.5 Grants**

A sum of Rs.500 000 has been considered as '*likely*' receipt during Financial Year 2007-08 from unidentified sources (as *grant for works that might be undertaken*).

#### **7.2.6 Likely Final Scenario for the Year**

The likely deficit anticipated at the end of 31 March 2008 is revised to Rs. 9 326 100 instead of Rs. 4 725 400 as projected during 57<sup>th</sup> IEC at Malaysia. The anticipated deficit is likely to result due to the facts below:

- (i) Against the budgeted provision of Rs. 1.82 M under the head 'Other Payments' towards the payment to MoUD (GOI), (*amounting to 25% of rent received from Yes Bank for the let out portion*), the provision is revised to 5.89 M, since the '*payment dues*' of the previous financial years 2004-05 to 2006-07 shall be effected after receiving notice from MoUD. This notice is still awaited and is expected any time.
- (ii) Against the provision of Rs. 2.78 M under the head 'Printing and Distribution' the provision has been revised to 3.50 M, for the Revised Edition of Multilingual Technical Dictionary and three more special publications, which are contemplated.

PFC may note and recommend to IEC, with or without comments, if any.

### **Item 8 : To consider and recommend to IEC the budget for the financial year 2008-09**

#### **8.1 Receipts**

##### **8.1.1 Membership subscription**

During the year 2008-09, a receipt of Rs. 8.57 M from annual membership subscription is expected from 61 active NCs (Annex 1A, page A-15).

##### **8.1.2 Publications**

ICID Journal – Royalty of US\$ 9 407 as per agreement with M/s John Wiley & Sons for ICID Journal for publication year 2007 is expected to be received in June 2008.

##### **(i) Congress Publications – 20<sup>th</sup> Congress (2008) – Registration Fees**

Assuming the ICID share of registration fee to be 50% of US\$ 214 675 from 790 paying delegates, a total receipt of about Rs. 8 587 000 is likely, in 2008-09. Out of this amount, a sum of Rs.1 250 000 (being the likely printing and mailing cost of Congress transactions) has been allocated under 'Congress Publications' and the balance amount of Rs. 7 337 000 has been accounted for under item 'Meeting Receipts'.

- (iii) In accordance with the procedure of valuation of publications inventory, the receipt from sale of publications during year 2008-09 is estimated only for publications issued after 2002.

##### **8.1.3 Other Receipts**

A contribution of Rs. 240 000 (US\$ 6000) towards 'WatSave Awards 2008' is assumed from a volunteering National Committee (or other sources, if support for WatSave Awards from Industry is acceptable, in principle, by IEC).

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**8.1.4 Rent from Let out Portion**

A sum of Rs. 7 284 000 (Gross) is assumed from the tenant, M/s Yes Bank.

**8.1.5 Grant**

A sum of Rs.500 000 has been considered as '*likely*' receipt during Financial Year 2007-08 from unidentified sources (*as grant for works that might be undertaken*).

**8.2 Payments****8.2.1 Salaries and Allowances**

The provision includes dues on account of annual increment and increase in dearness allowance on the approved lines of the Government of India norms. This is applicable to Central Office staff as per Rules and Regulations approved earlier by IEC and presently decided by Staff Committee from time to time. The provision also includes superannuation dues to be paid to one retiring staff member during the year 2008-09.

**8.2.2 Services and Maintenance**

A provision of Rs. 225 000 has been made for ICID Website/TDS Hardware and Software.

**8.2.3 Printing and Distribution****ICID Journal**

A provision of Rs. 1.5 M has been made for payment towards the subscription of 1000 copies to M/s Wiley & Sons, Publishers of ICID Journal for the year 2008. This is as per Chairman EB-JOUR 's tentative estimates in the Annual Report for the year 2006 presented before IEC in its 57<sup>th</sup> meeting in Kuala Lumpur.

**8.2.4 Travel (Meetings)****Meetings in India**

A lumpsum provision of Rs. 100 000 is made for participation of Secretary General and other staff for meetings in India.

**International Meetings**

A lumpsum provision of Rs.700 000 is made for Secretary General's participation in two International Meetings outside India as per the approved practice.

**Congress/Council Meeting/Regional Conference**

A provision of Rs. 198 000 is made in financial year 2008-09 for Secretary General's, Secretary's and one additional Professional's participation in 59<sup>th</sup> IEC Meeting and 20<sup>th</sup> Congress to be held at Lahore, Pakistan in 2008. This is as per approved practice.

**8.2.5 Grant Utilisation**

Grant anticipated during the year 2008-09 will be utilised with no carryover.

**8.2.6 Contingency**

An amount of Rs. 200 000 is made for unforeseen items.

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### 8.3 Surplus (Deficit)

Taking into account the total receipt of Rs. 26 613 450 and the total payment of Rs. 26 382 000, a surplus of Rs. 213 450 as on 31 March 2009 is projected. An earlier projection of Rs. 8 801 100 made in IEC Kuala Lumpur, needs revision due to:

- (i) Depreciation of Dollar against the Indian Rupee to a considerable extent affecting the receipts when converted to Rupees.
- (ii) The 18th and 19<sup>th</sup> Congresses yielded a lower participation than anticipated. In the light of this fact the provision for the ICID Share of Registration Fee from 20<sup>th</sup> Congress at Lahore, Pakistan has been revised downwards.
- (iii) Required payments under the 'Salaries and Retirement Benefits' due to expected revision of entitlements of staff by Government of India for which purpose a Commission has been constituted by them.

### 8.4 Internal Transfer for gratuity and superannuation

Augmenting the funds, a sum of Rs. 300 000 and Rs. 750 000 is provided for Gratuity and Superannuation Funds respectively.

PFC may kindly consider the budget for 2008-09 and recommend it to IEC for approval.

### Item 9 : To consider the preliminary budgets for years 2009-10 and 2010-11

The preliminary budget for the Financial Years 2009-10 and 2010-11 is prepared to indicate the financial position of the Commission during the subsequent two Financial Years 2009-10 and 2010-11. A summary statement indicating receipts and payments is set out in **Annex 1A**, page A- 215.

### 9.1 Receipts

#### 9.1.1 Membership subscription

For the present, no account is taken of the receipts of membership fee from the new members who might join ICID hereafter, or the members '*deemed inactive*' getting re-activated. It is presumed that subscription as due is received without default from active member countries. The present level of subscription rates, fixed in 1999 is kept as such, despite being low- as pointed out in PFC's preliminary report to IEC in Kuala Lumpur.

#### 9.1.2 Publications

- (i) In accordance with the procedure of valuation of publications inventory, the receipts from sale of publications during Financial Year 2009-10 and 2010-11 have been estimated only for publications issued in and after 2003 (for 2009-10) and 2004 (for 2010-11).
- (ii) ICID Journal – Royalty for ICID Journal publication for publication year 2008 is expected to be received in June 2009. Royalty for publication year 2009 is expected to be received in June 2009, this has been projected on the basis of royalty for the year 2008. (taken from Chairman's (EB-Jour) Report 2006)

#### 9.1.3 Grant

A sum of Rs.500 000 has been considered as '*likely*' receipt during Financial Year 2009-10 and 2010-11 from unidentified sources (*as grant for works that might be undertaken*).

#### 9.1.4 Other receipts

A contribution Rs.240 000 (US\$ 6000) towards 'WatSave Awards' is assumed each during Financial Years 2009-10 and 2010-11, from National Committees coming forward to sponsor the award. PFC may note and recommend to IEC that the WATSAVE awards should be deferred for the subsequent year, should there

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be some delay in such sponsorship-as this can not be met with some other sums due to lack of budget provisions.

## **9.2 Payments**

### **9.2.1 Salaries and Allowances**

The provision includes dues on account of annual increment and increase in dearness allowance on the lines of the Government of India norms. This is applicable to Central Office staff as per approved Rules and Regulations decided by Staff Committee from time to time.

### **9.2.2 Services and Maintenance**

A sum of Rs.225 000 has been made for each of the forecast Financial Years 2009-10 and 2010-11 for 'ICID Website/TDS Hardware and Software'.

### **9.2.3 Printing and Distribution**

#### **Congress Publications**

A sum of Rs.100 000 has been provided in Financial Year 2009-10 for CD ROM of Transactions and Vol.-II of 20<sup>th</sup> Congress Proceedings.

### **9.2.4 Travel (Meetings)**

#### **(i) International Meetings**

A lumpsum provision of Rs.700 000 is made for the preliminary budgets years 2009-10 and 2010-11 each for participation of Secretary General in two International Meetings outside India.

#### **(ii) Congress/Council Meeting/Regional Conference**

A provision of Rs. 329 000 is made in 2009-10 for Secretary General's and Secretary's participation in 60<sup>th</sup> IEC Meeting and 3<sup>rd</sup> African Regional Conference, Abuja, Nigeria in 2009.

A provision of Rs. 285 000 is made in 2010-11 for Secretary General's and Secretary's participation in 61<sup>st</sup> IEC Meeting and 6<sup>th</sup> Asian Regional Conference, Indonesia, 2010.

### **9.2.5 Grant Utilisation**

Grant anticipated during the years 2009-10 and 2010-11 will be utilised with no carryover.

## **9.3 Surplus (Deficit)**

Taking into account the total receipts of Rs. 18 155 300 and Rs.18 281 400 in the Financial Years 2009-10 and 2010-11 and the corresponding total payments of Rs. 23 236 500 and Rs. 23 675 000 respectively the preliminary budgets indicate a deficit of Rs. 5 081 200 in 2009-10 and of Rs. 5 395 100 in 2010-11.

## **9.4 Internal Transfer**

The non-transferable accounts/funds relate to Gratuity, Superannuation and Dictionary Funds. For the Financial Years 2009-10 and 2010-11 internal transfer to Gratuity and Superannuation Funds are proposed to be Rs. 350 000 and 750 000 each respectively.

The PFC may consider the preliminary budgets for the Financial Years 2009-10 and 2010-11 and recommend with comments, if any for approval by the Council.

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**Item 10 : To note the external funding assistance received in 2006-07 and identify additional funding sources**

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

**Status of grant received under Country Policy Support Programme from the Government of The Netherlands**

The final '*Narrative and Financial Report*' of the CPSP providing a consolidated information on all the activities carried out, organisations sub-contracted, reports/software brought out, activity-wise details of the utilizations of the grant received during the entire period of the Phase-I (2002 to 2005) extending also to the spill-over period (April to November 2006) of the study, was sent to the donors on 23 January 2007. This report was acknowledged and approved by the Sustainable Economic Development Department (SEDD) of the Government of Netherlands vide their letter dated 6 March 2007.

With the filing of this final narrative report and its acknowledgment and acceptance of satisfactory completion report of the job by the SEDD, the CPSP Project has come to 'closure'. PFC may note the completion of CPSP as well as closure of related audited accounts and report accordingly to the IEC.

**Item 11 : Any other business (with the permission of the Chair)**

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**AUDIT REPORT FOR THE YEAR ENDING 31 MARCH 2007**

RAGHU NATH RAI & CO.  
Chartered Accountants

International Executive Council  
International Commission on  
Irrigation and Drainage  
48 Nyaya Marg, Chanakyapuri  
**New Delhi 11 0 021**

Dear Sir,

We have carried out the audit of the accounts of the Commission for the year ending 31<sup>st</sup> March 2007. In this connection, we have to report as under:

1. Receipts and payments account for the year under report has been checked with the cash book, vouchers, bank statements of accounts and the other records. We have also verified by test check that the payments are within the authority of the respective officers.
2. The Balance Sheet has been prepared after incorporating certain provisions which have been made in the accounts with regard to the amounts payable, amounts recoverable, estimated realisable value of stock of publications in hand. These provisions have been estimated by the AACO/Staff Officer and have been relied upon by us.
3. These accounts do not incorporate the entries in respect of Provident Fund for which separate accounts have been prepared and audited.
4. We have compared the receipts and expenses with the budgeted provisions. There are some variations between the budgeted amount and the actuals.
5. Foreign currency in the foreign currency accounts with HSBC Bank plc., London and Canara Bank, New Delhi, India has been converted at budgeted rate of exchange and incorporated in these accounts.
6. Subscription and publication due for more than 3 years amounts to Nil.

Subject to the above, Balance Sheet and the Receipts and Payments Account are correct in accordance with the books and vouchers produced before us and as per the information and explanations given to us and upon which we have relied.

Yours faithfully  
For Raghu Nath Rai & Co.,  
Chartered Accountants

New Delhi  
Dated : 30 May 2007

Sd/-  
(PREM PRAKASH)  
Partner  
Membership No.7648

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**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE**  
**Consolidated Receipts and Payments Account**  
**for the Period from 1 April 2006 to 31 March 2007**

|                                     | 2006-07<br>Rs.    | 2005-06<br>Rs.     |
|-------------------------------------|-------------------|--------------------|
| <b>RECEIPTS</b>                     |                   |                    |
| Membership Subscription             | 9 389 521         | 8 416 643          |
| Publications                        | 482 083           | 502 625            |
| Meeting Receipts                    | 180 000           | 2 709 258          |
| Interest                            | 1 278 610         | 957 688            |
| Grants                              | 67 005            | 6 769 920          |
| Others                              | 1 370 228         | 1 387 023          |
| Let out property                    | 6 173 040         | 7 973 510          |
| <b>Total Receipts</b>               | <b>18 940 487</b> | <b>28 716 667</b>  |
| <b>PAYMENTS</b>                     |                   |                    |
| Salaries and Retirement Benefits    | 8 571 748         | 10 419 661         |
| Services and Maintenance            | 1 776 026         | 2 408 856          |
| Property Tax and Utilities          | 1 796 046         | 3 269 004          |
| Additional Construction             | —                 | —                  |
| Rehabilitation / Refurbishing       | —                 | 217 225            |
| Printing and Distribution           | 2 182 618         | 2 823 580          |
| Subscription to other organizations | —                 | —                  |
| Travel Expenditure                  | 845 596           | 549 026            |
| Grants Utilisation                  | 2 570 427         | 10 750 310         |
| Others                              | 1 895 670         | 287 765            |
| Contingency                         | —                 | —                  |
| <b>Total Payments</b>               | <b>19 638 131</b> | <b>30 725 427</b>  |
| <b>SURPLUS (DEFICIT)</b>            | <b>(697 644)</b>  | <b>(2 008 760)</b> |

Sd/-  
Ashish Gupta  
Staff Officer

Sd/-  
K.N. Sharma  
Secretary

Sd/-  
M. Gopalakrishnan  
Secretary General

Sd/-  
V.K. Dureja  
Asstt. Accounts Officer

Auditor's Report  
As per our separate report of even date

For Raghu Nath Rai & Co.,  
Chartered Accountants

New Delhi  
Dated : 30 May 2007

Sd/-  
(PREM PRAKASH)  
Partner  
Membership No.7648

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE**  
**Consolidated Balance Sheet as on 31 March 2007**

|                          | As on<br>31.3.2007<br>Rs. | As on<br>31.3.2006<br>Rs. |
|--------------------------|---------------------------|---------------------------|
| <b>ASSETS</b>            |                           |                           |
| Property and Equipment   | 9 686 045                 | 10 145 977                |
| Receivables              | 2 731 542                 | 3 164 066                 |
| Stocks                   | 1 822 179                 | 2 070 220                 |
| Cash at bank and in hand | 31 354 559                | 31 132 383                |
| <b>Total Assets</b>      | <b>45 594 325</b>         | <b>46 512 646</b>         |
| <b>LIABILITIES</b>       |                           |                           |
| Accounts payable         | 3 114 948                 | 5 093 854                 |
| Grants                   | 64 634                    | 3 061 152                 |
| Gratuity Fund            | 2 609 138                 | 2 227 264                 |
| Superannuation Fund      | 1 424 659                 | 1 372 194                 |
| <b>Total Liabilities</b> | <b>7 213 379</b>          | <b>11 754 464</b>         |
| <b>NET ASSETS</b>        | <b>38 380 946</b>         | <b>34 758 182</b>         |
| <b>RESERVES</b>          |                           |                           |
| General Fund             | 37 728 650                | 34 135 855                |
| Dictionary Fund          | 652 296                   | 622 327                   |

Sd/-  
Ashish Gupta  
Staff Officer

Sd/-  
K.N. Sharma  
Secretary

Sd/-  
M. Gopalakrishnan  
Secretary General

Sd/-  
V.K. Dureja  
Asstt. Accounts Officer

Auditor's Report  
As per our separate report of even date

For Raghu Nath Rai & Co.,  
Chartered Accountants

New Delhi  
Dated : 30 May 2007

Sd/-  
(PREM PRAKASH)  
Partner  
Membership No.7648

## SUMMARY OF ACTUALS 2006-07, APPROVED BUDGET 2007-08, FORECAST 2007-08, BUDGET 2008-09 AND PRELIMINARY BUDGETS 2009-10 AND 2010-11

|   | Actuals<br>2006-07<br>Rs. | Approved<br>Budget<br>2007-08<br>Rs. | Forecasts<br>2007-08<br>Rs. | Budget<br>2008-09<br>Rs. | Preliminary<br>Budget<br>2009-10<br>Rs. | Preliminary<br>Budget<br>2010-11<br>Rs. |
|---|---------------------------|--------------------------------------|-----------------------------|--------------------------|---|---|
| <b>I. RECEIPTS</b>  |                           |                                      |                             |                          |   |   |
| 1. Membership Subscriptions                                   | 9 389 521                 | 9 301 000                            | 8 573 000                   | 8 573 000                | 8573 000                                | 8 573 000                               |
| 2. Publications   | 482 083                   | 758 000                              | 737 000                     | 1 901 000                | 762 000                                 | 735 000                                 |
| 3. Meeting Receipts   | 180 000                   | -                                    | 160 000                     | 7 337 000                | -                                       | -                                       |
| 4. Interest   | 1 278 610                 | 1 034 100                            | 1 129 900                   | 1 209 150                | 1 246 300                               | 1 307 400                               |
| 5. Other Receipts   | 1 370 228                 | 473 000                              | 336 000                     | 309 300                  | 290 000                                 | 290 000                                 |
| 6. Let out property (Rent)                                    | 6 173 040                 | 7 284 000                            | 7 099 000                   | 7 284 000                | 7 284 000                               | 7 376 000                               |
| <b>TOTAL RECEIPTS</b>   | <b>18 873 482</b>         | <b>18 850 100</b>                    | <b>18 034 900</b>           | <b>26 613 450</b>        | <b>18 155 300</b>                       | <b>18 281 400</b>                       |
| <b>II. PAYMENTS</b>   |                           |                                      |                             |                          |   |   |
| 1. Salaries and Benefits                                      | 8571748                   | 11 672 000                           | 11 879 000                  | 1 4150 500               | 12 358 500                              | 12 919 500                              |
| 2. Service & Maintenance                                      | 1776026                   | 2 625 000                            | 2 665 000                   | 2 845 000                | 2 890 000                               | 2 930 000                               |
| 3. Property Tax & Utilities                                   | 1796046                   | 2 090 000                            | 2 090 000                   | 2 090 000                | 2 090 000                               | 2 090 000                               |
| 4. Rehabilitation / Refurbishing                              | -                         | 200 000                              | 200 000                     | 200 000                  | 200 000                                 | 200 000                                 |
| 5. Printing and Distribution                                  | 2182618                   | 2 783 000                            | 2 819 000                   | 3 724 000                | 2 278 000                               | 2 138 000                               |
| 6. Subscription to other organizations                        | -                         | 85 500                               | -                           | 83 500                   | -                                       | -                                       |
| 7. Travel Expenditure on Meetings                             | 845596                    | 1 529 000                            | 1 348 000                   | 998 000                  | 1 129 000                               | 1 085 000                               |
| 8. Payment to L&DO(MoUD) from Rent                            | -                         | 1 821 000                            | 5 890 000                   | 1 821 000                | 1 821 000                               | 1 844 000                               |
| 9. Other Payments   | 1895670                   | 270 000                              | 270 000                     | 270 000                  | 270 000                                 | 270 000                                 |
| 10. Contingency   | -                         | 500 000                              | 200 000                     | 200 000                  | 200 000                                 | 200 000                                 |
| <b>TOTAL PAYMENTS</b>   | <b>17 067 704</b>         | <b>23 575 500</b>                    | <b>27 361 000</b>           | <b>26 382 000</b>        | <b>23 236 500</b>                       | <b>23 676 500</b>                       |
| <b>Surplus (Deficit) (1)</b>                                  | <b>1 805 778</b>          | <b>(4 725 400)</b>                   | <b>(9 326 100)</b>          | <b>231 450</b>           | <b>(5 081 200)</b>                      | <b>(5 395 100)</b>                      |
| Grant Receipts  | 67 005                    | 500 000                              | 500 000                     | 500 000                  | 500 000                                 | 500 000                                 |
| Grants utilisation  | 2 570 427                 | 500 000                              | 500 000                     | 500 000                  | 500 000                                 | 500 000                                 |
| <b>Surplus (Deficit) of Grant (2)</b>                         | <b>(2 503 422)</b>        | <b>-</b>                             | <b>-</b>                    | <b>-</b>                 | <b>-</b>                                | <b>-</b>                                |
| <b>Net Surplus/ Deficit (1)+(2)</b>                           | <b>(697 644)</b>          | <b>(4 725 400)</b>                   | <b>(9 326 100)</b>          | <b>231 450</b>           | <b>(5 081 200)</b>                      | <b>(5 395 100)</b>                      |
| <b>Internal Transfers to Gratuity and Superannuation Fund</b> | <b>900 000</b>            | <b>900 000</b>                       | <b>900 000</b>              | <b>1 050 000</b>         | <b>1 050 000</b>                        | <b>1 050 000</b>                        |