Agenda of the Sixty-first Meeting of

International Executive Council (IEC) of ICID

Yogyakarta, Indonesia

First Session: 15 October 2010 : 09.00 to 12.30 hours

Second Session: 15 October 2010 : 13.30 to 17.00 hours

Item 0 : Condolence

It is with the feeling of profound grief that the passing away of Vice President Hon. Henri Tardieu (France) on 2 April 2010 is reported to the Council.

Born in 1946, Mr. Tardieu has received his engineering education from Ecole Polytechnique, France. After joining Société d'Aide Technique et de Coopération (SATEC), Paris in 1970, he worked for next four years in Africa (Senegal and Algeria) and then joined the Compagnie d'Aménagement des Coteaux de Gascogne (CACG) in 1974 as in-charge of the Hydraulics Development where he later held the position of Director General. He was also the Administrator of the Adour-Garonne Water Agency and remained as President of the French National Committee (AFEID) for nearly two decades.

Mr. Tardieu was a strong supporter of the objects of ICID and indeed epitomized excellence in all his contributions to the works of Commission through various capacities such as the Vice Chairman of PCTA, Vice Chairman of erstwhile WG-OMM and Strategy Theme Leader of Theme "*Basin*" (*a position he held admirably till the last IEC meeting in New Delhi in 2009*). His valuable contribution as the Chairman of ICID Task Force 3 on "Developing Position Paper on Socio-Economic Sustainability of Services provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector" and as the Vice President of ICID for the term (1994-1997) are well-known. His significant and noteworthy contributions for the WWF5 in Istanbul (March 2009) for Topic 2.3: *"Water and Food for ending poverty and hunger"* are noteworthy. Mr. Tardieu leaves an everlasting imprint of his inspiring personality on all the work of ICID.

May his soul rest in eternal peace.

CONDOLENCE RESOLUTION

The 61st meeting of the International Executive Council (IEC) deeply mourns the profound loss suffered by the Commission in the passing away of Vice President Hon. Henri Tardieu. The Council resolves that the condolence of the Commission be conveyed to the bereaved family of late VPH Tardieu, as well as to the French National Committee (AFEID).

Opening Remarks by President

Item 1 : Opening Remarks by President, ICID

President Chandra Madramootoo will make his opening remarks.

Matters for Decision

Item 2 : Application of Countries for ICID Membership

No new applications have been received during the year in Central Office.

Item 3 : Venues for Future Conferences

The Central Office vide its Circular No.CM1/ dated 14 May 2010 invited the National Committees (NCs) to submit their proposals for hosting future meetings of ICID as below:.

- 64th IEC meeting, 2013
- 8th Asian Regional Conference, 2013
- 5th American Regional Conference
- 26th European Regional Conference
- 4th African Regional Conference
- 11th International Drainage Workshop, 2012
- 9th International Micro Irrigation Congress

Mali National Committee on Irrigation and Drainage (AMID) has agreed to host the 3rd African Regional Conference in Mali in 2011 (please see 60th IEC minutes). They have exchanged correspondence with the Mali Ministry of Agriculture about the same.

The Turkish National Committee on Irrigation and Drainage (TUCID) had shown its great interest to host the 64th IEC and 8th Asian Regional Conference in 2013 and has offered its proposals.

The Thailand National Committee on Irrigation and Drainage (THAICID) had also shown its great interest to host the 64th IEC and 8th Asian Regional Conference in 2013. It may be recalled that during the 60th IEC meeting held in New Delhi, they expressed their desire to host the 64th IEC and 8th Asian Regional Conference in 2013. THAICID on 6 August 2010 has submitted its proposal to the Central Office to host 64th IEC and 8th ARC during 8-16 November 2013.

The Russian National Committee on Irrigation and Drainage indicated its willingness to host the 11th International Drainage Workshop from 16-20 June 2012 in Smolnay 3 – Administration of Leningrad District.

It may be mentioned that the venues of the following future IEC meetings, Congresses and Regional Conferences have already been approved by the Council up to 2014 (*except 2013*), as detailed below:

- 24th European Regional Conference, Orleans, France, 14-16 March 2011
- 25th European Regional Conference, Groningen, The Netherlands, 16-20 May 2011
- 3rd African Regional Conference, Mali, September 2011
- 62nd IEC and 21st Congress on Irrigation and Drainage and 8th International Micro Irrigation Congress, Tehran, Iran, 15-23 October 2011
- 63rd IEC and 7th Asian Regional Conference, Adelaide, Australia, 24-29 June 2012
- 65th IEC and 22nd Congress on Irrigation and Drainage, Seoul, Korea, 2014

Representatives of the inviting NCs attending the Council meeting will apprise the Council on details of their offers, including the probable dates when the events could be held. The NCs, especially those offering to host the events are invited to make a presentation during the IEC meeting regarding their offer and mention how the NC will contribute to ICID's technical and financial resources through the IEC, Regional Conferences and the Congress.

Item 4 : Broadbasing of ICID Membership

A background paper highlighting the principle for broadbasing the membership prepared by Chair, PFC Dr. Saeed Nairizi, has been circulated to all National Committees / Committee of ICID on 7 April 2010, soliciting comments. A reminder letter was also issued on 3 May 2010.

In response only JNC-ICID and IRNCID have responded and sought clarification (i) the difference between broadbased ICID members and primary ICID National Committees; (ii) Primary members only should have the right to vote in IEC; and (iii) Concrete discussion to enhance ICID activities followed by action as required for (iv) Amendments to Constitution and By-laws.

PFC Chair has taken up this issue in PFC meeting and MB too had considered the subject.

Chair PFC will apprise IEC suitably in the light of these proceedings and propose such recommendations as appropriate for the Council.

Item 5 : Conduct of ICID Business – WG meetings and Web conferencing

Vice President Willem Vlotman has proposed the introduction of e-conferencing as an option at IEC meetings and promotes use of Web 2.0 in general.

A circular letter has been issued to on 25 March 2010 on this subject to all Office-Bearers and the Chairs of National Committees / Committee of ICID, Workbodies besides President, INACID. Reminders were sent on 16 April 2010 for comments. Responses were received from:

1. Spanish National Committee of ICID;
2. Netherlands National Committee of ICID;
3. Italian National Committee of ICID;
4. Philippine National Committee of ICID;
5. Dr. Maurits Ertsen, Chair, WG-MIS ;
6. Vice President, Peter Kovalenko;
7. Vice President, Shinsuke Ota; and
8. Chairman INCID and Vice President A.K. Bajaj

The responses are collectively assembled and placed as **Annex 1** for discussions.

Item 6 : Preparation for ICID Inputs to WWF-6, Marseille, France, 2012

Dr. Loïc Fauchon, President, World Water Council and Dr. Ben Braga, President, International Forum Committee for the 6th WWF had written an invitation to President and Secretary General, ICID for ICID participation and inputs. In a Kick-off meeting held in Marseille in June 2010 in which AFEID were requested to represent ICID, discussions were held issues linked on "*Solutions for Water*".

Mr. Michel Ducrocq and Mr. Jacques Plantey, French National Committee (AFEID) representatives who participated later provided the details of the Kick off meeting to ICID.

PH Bart Schultz has responded positively to the request of the President for coordinating the ICID inputs for the WWF 6. TF6 which will assist the process will be held during the 61st IEC.

FAO had looked forward that ICID would join hands with them in formulating a consortium for WWF6. FAO had planned a round table discussion during the IEC week in Yogyakarta. As the only World Water Council's Governors representing the *'Water for Food Agenda'* they believe that they would be getting invited from WWC to take a lead in this regard. The meeting is being envisaged to take place alongside TF6 meeting.

Item 7 : Selection of a new Secretary General

A Search/Selection Committee was constituted by the President in May 2010 to review the requirements to spell out in an advertisement for the post which finalised its task and sent to Central Office the text for placing it in website and wider circulation / advertisement. On its receipt on 6 July 2010 from the Search Committee Chair, PH

Keizrul bin Abdullah, it was placed in the web site, communicated to all NC chairs and office bearers. Two insertions, one each on 'The Economic Times' Delhi Edition and the other on 'The Hindu' were made on the vacancy to be filled in from 1 January 2011. The last date for receipt of applications as set by the search committee for applications is 31 August 2010.

Search Committee Chair PH Keizrul bin Abdullah may wish to apprise any updates.

Reports for Approval

Item 8 : Secretary General's Report

8.1 60th IEC Meeting and 5th Asian Regional Conference

The 60th International Executive Council (IEC) meeting and 5th Asian Regional Conference of ICID were held in New Delhi from 6-11 December 2009. The Theme of the 5th Asian Regional Conference was "*Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better Operation & Maintenance*". More than 700 delegates from over 40 countries and several international organizations participated in various events. During this period, the meetings of all the ICID workbodies were also held. A Symposium, a Special Session and Workshops were organised, besides an exhibition.

The minutes of the 60th IEC meeting were posted on the ICID website on 29 January 2010 for wide circulation and the printed copies were dispatched to the NCs and all concerned on 2 March 2010.

8.2 Annual Report, ICID Journal and Other Publications

The Annual Report for the year (April 2009 to March 2010) has been compiled and placed on the ICID website. The printed copies will be dispatched to the NCs by mid August 2010.

Five issues (Vol. 58) of the ICID Journal were printed through M/s Wiley-Blackwell as per the current agreement for journal publication. These were directly mailed by publishers to the NCs, Office Bearers and Workbody members based on the details supplied by the Central Office.

All issues of "ICID News" and "News Update" were mailed and posted on the website on time.

8.3 Active Members of ICID

The ICID Network as of now is spread over 110 countries comprising 28 NCs in Africa, 18 in Americas, 35 in Asia and Oceania, and 29 in Europe. At the end of August 2010, there are 65 active NCs compared to 64 in the year 2008-09. (*Fiji was admitted in 2009, but paid the subscription from January 2010*). In Africa, out of 28 countries, there are 8 active NCs, 15 deemed to be inactive and 5 admitted but not paid subscription to commence their membership. In Americas, out of 18 countries, 7 are active, 9 are deemed to be inactive, 1 admitted but not paid subscription and 1 country (Cuba) withdrew on its own. Revival of Cuba's membership is being pursued. In Asia and Oceania, out of 35 NCs there are 26 active, 4 inactive, 4 were admitted but have not paid subscription and 1 country (New Zealand) withdrew on its own. In Europe, out of 29 countries, 24 are active, 4 are deemed to be inactive and 1 (Denmark) withdrew on its own. Office-Bearers during their visit to some of the countries have inactive NCs, have been making efforts in respect of such NCs for their reactivation.

8.4 Workbodies

Presently there are 3 Permanent Committees, 2 Committees, 18 Working Groups / Work Teams, 4 Regional Working Groups and 2 Task Forces, 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-related issues, there is also a separate Management Team for ICID Journal (MT-Journal). A total of 295 nominated representatives of NCs contribute their expertise on 407 membership slots on the workbodies.

8.5 Visits of Secretary General / Meetings in India

During his visits to countries for conferences / meetings on invitation with necessary financial support from them, Secretary General took the opportunity of visiting the National Committees and their members to have a firsthand appraisal of their activities and to encourage them, and with other members of international organizations to foster closer relations of ICID with them.

The events attended by SG during the year are listed below:

- ***Annual Meet organised by the International Journal of Hydropower & Dams***

Following two previous successful events in Bangkok, Thailand (2006) and Danang, Vietnam (2008), the International Journal of Hydropower & Dams organised its 3rd International Conference and Exhibition on "Water Resources and Renewable Energy Development in Asia" (ASIA 2010) at Kuching, Sarawak, Malaysia on 29 and 30 March 2010. The Conference was hosted in partnership with Sarawak Energy and was supported by the Ministry of Public Utilities, Sarawak Hidro and Tenaga Nasional Berhad. More than 600 delegates, Malaysian as well as international representing 46 nations, attended the event. About 100 papers were presented during the conference and an exhibition with many lead industrial participants was organised, alongside.

ICID was invited to be the "partners" of the event. Secretary General Gopalakrishnan attended the conference and delivered a speech during the inaugural with other senior functionaries from various organisations like UN ESCAP, ICOLD, Sarawak Energy besides Hydropower & Dams Secretary General chaired a session on "*Water Resources Development*" wherein the role of storages and its importance with climate change was highlighted, especially to meet the growing food demands for a population that can run over 8 billions by 2025. Later, Secretary General also had meeting with the Office-Bearers of MANCID in Kuala Lumpur on 1 April 2010 to discuss about the outputs for Asian Development Bank paper, which will be presented in ADB Conference on " Water: Crisis and Choices" in Manila in October 2010.

- ***Invitation from Korean National Committee on Irrigation and Drainage (KCID)to attend the Saemangeum Sea-dyke Completion Ceremony***

Secretary General accepted KCID's invitation for the Saemangeum Seadyke Completion Ceremony held on 27April 2010. He had meetings with the Office Bearers of KCID during the occasion. Korea is the successful bidder for hosting 65th IEC and 22nd Congress on Irrigation and Drainage to be held in 2014 The discussions helped to deal with topics such as the preparatory for the 22nd Congress, publication of ICID Handbook on Sustainable Development of Tidal Areas in consideration by WG (SDTA). Secretary General also met Dr. Ruey-Chy Kao of ICID-Chinese Taipei Committee (CTCID) who was the other distinguished guest of ICID family invited by Korea for the Saemangeum Seadyke completion Ceremony.

Meetings in India

1. Government of India / State Government Invitations to Secretary General

- "*Sustainable Solutions – Science and Sustainability*" A bilateral event on between the Department of Science and Technology, Govt. of India and the German Federal Ministry of Education and Research (BMBF) launched in the *Indian Institute of Technology, Delhi (IIT-Delhi).*

  IIT-Delhi hosted an Indo-German Conference on "*Water and Waste Management*" on 3-4 February 2010 at Delhi. It is an important bilateral event between India and Germany on water and waste management. About 40 senior scientists from Germany participated in the event. On invitation, Secretary General participated and delivered an expert talk on Irrigation water efficiencies in the Conference.

- *Ministry of Environment and Forest, Govt. of India and UNEP held a* 3rd India Roundtable on Sustainable Consumption & Production in New Delhi on 12 February 2010. Secretary General was invited to deliver a talk and responding positively, SG made a PowerPoint presentation on efficient use of water particularly in irrigated agriculture sector.

- ICID Secretary General was invited to be the Guest of Honour for a National Workshop on Wand and Land Productivity Enhancement for Sustainable Irrigation Agriculture from 9-10 March 2010 in Hyderabad by Government of Andhra Pradesh, FAO and *Acharya N.G. Ranga Agricultural University, Hyderabad.*

- Government of India in the Ministry of Water Resources has constituted a Committee of Experts invited ICID to be one of the expert members of their society; the National Institute of Hydrology (NIH) function conveyed the approval of the Union Minister of Water Resources Secretary General participated in their 30th Annual General Meeting held at Roorkee on 6 April 2010 when the first meeting of the newly constituted Board took place.

2. International Organisations

- **Asian Development Bank**

  - o A meeting with Mr. Arjun Thapan, Special Senior Advisor to the President for Infrastructure and Water and Vice Chair of the WEF Global Council on Water Security, Asian Development Bank was held in ICID Central Office on 12 May 2010 where Secretary General also invited other senior officers of the Govt. of India. The objective of the meeting was to consider the report on India's Water Challenge on Water based on the outcome of the World Economic Forum at Davos this year spearheaded by ADB.
  - o ADB CII subsequently organised a conference on "India Water Dialogue" –I for which Secretary General was a special invitee. The meeting held on 8 July 2010 was participated by SG and special contributions made in "Water Use Efficiency in Agriculture" wherein ICID's WatSave Awards, related issues concerning efficiency' were highlighted.
  - o A two-day National Conference on "Food Security through Water Security" was held in Ahmedabad on 26-27 March 2010 and Secretary General on invitation delivered a key note and chaired the Session on "Water for Food Security".

8.6 Visits of Office Bearers and other important personalities to Central Office

- Dr. Samuel Gameda, Research Scientist, Agriculture and Agri-Food Canada visited ICID Central Office on 26 February 2010 and held discussions.
- Dr. Irena Bondarik, Secretary General, RuCID visited Central Office on 27 March 2010 and held discussions.
- Mr. Arjun Thapan, Special Senior Advisor to the President for Infrastructure and Water and Vice Chair of the WEF Global Council on Water Security, India Resident Mission, Asian Development Bank, accompanied by Ms. Sujata Gupta, Head, Private Sector, Indian Resident Mission, Asian Development Bank visited ICID Central Office on and held discussions with Secretary General.

8.7 ICID Website and Text Delivery Service (TDS)

A web counter installed on the web server indicates hits of over 1,35,000 by visitors to the site as of July 2010. Recently, Central office introduced a new design of ICID website. This new design is capable of attracting more visitors and can cater better search results through Google search engine. Our main keywords 'Irrigation and Drainage' are already shown on the 1st page of the results. Apart from the hits on the website, the response for this service is better gauged by the inquiries and requests that emerged. About 74 inquiries and requests were received for the supply of technical literature and other material, as of 31 July 2010. These were promptly responded to by the Central Office, normally within 24 hours.

Efforts are continuing to enrich the database available on the Text Delivery Service (TDS). Under the 'Articles Section', presently (up to 31 July 2010) 8708 entries have been compiled, while under the Books Section 31596 entries are available. During the year 1 April 2009 to 31 July 2010, a total of 996 articles have been included on the TDS database from ICID and other publications. All the NCs might wish to widely publicize this useful, free of cost service for the professionals to take maximum advantage.

Advertisements were also sought from International Organizations, Equipment Manufacturers, Institutions, etc. for website insertions as well as in the Newsletter. The efforts to augment our resources in this manner met with some success, though a lot more scope exists. The support of the NCs, who can use their good offices to encourage advertisers in their countries to come forward not only for their own website or publications but also for the main ICID periodicals managed from Central Office, will be very helpful.

8.8 French Unit

Central Office French Unit continued to perform its usual tasks like the preparation of the of Agenda, Minutes, Annual Report, ICID News, NewsUpdate, correspondence with French speaking countries as well as with French speaking members of various Working Groups and Committees.

Due to various constraints and stringent austerity measures, the vacancy occurred on retirement of Senior French Translator was not filled. In order to strengthen further the use of French language within our financial constraints, and to help widen the base of francophone member countries, the services of an Officer on Special Duty are being used. Under his guidance, the incumbent Junior Translator is handling the work efficiently.

8.9 Webpages of workbdies

As was reported in the past also, the Central Office has hired additional space on a server and registered a domain name 'www.icidonline.org' through which the WBs could directly access their respective webpages. So far 22 Workbodies (WBs) have established individual webpages for projecting their activities through the ICID website.

8.10 Central Office Technical Library

During the year 1 April 2009 – 31 July 2010, the Central Office Library recorded 326 accessions, thus bringing up the number of acquisitions to a total of 31596 as on 31 July 2010. Information (abstracts) about all these books/publications is placed on Text Delivery Service (TDS).

8.11 ICID publications and sales

The complimentary copies of the following publications printed during 2009 and 2010 were sent to all National Committees/Committee of ICID, current Office-Bearers, Members of Management Board (MB) and others.

1. CD-ROM version of Multilingual Technical Dictionary (MTD) 2010
2. CD-ROM ICID@60 2010
3. Post Congress CD-ROM of 20th ICID Congress, Lahore, Pakistan (2009)
4. CD-ROM and publication on Synthesis Report: Topic 2.3 – Water and Food for Ending Poverty and Hunger, 5th World Water Forum (2009)

During the 60th IEC in New Delhi, sizeable ICID past publications were sold. Notwithstanding, a large number of copies of unsold publications are still lying in the Central Office, including a few of the transactions of past congresses. Some of the literature in French, which can be of value for the Francophone countries are also available for being spared on request or demand. Suggestions for improvement of the sale of publications are solicited from time to time from all ICID members.

8.12 Exchange of Information

Copies of Newsletters were received from NCs of Germany, 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.

The ICID Central Office is required to frequently send circulars, letters, questionnaires, and other material to the Office-Bearers, National Committees and Chairs of ICID Workbodies. There are some NCs which are manned by officials from organizations. They receive their official letters as well as letters etc. from ICID in the same mailbox. If the mailboxes are full, even important documents from ICID are returned. Thus, such NCs not having separate mailboxes for ICID, can consider opening their independent mail address for ICID on any of the currently available major portals like gmail, yahoo, hotmail etc. This will facilitate segregation of ICID mail from other mails for their ease and a better focus on ICID matters that require quick follow up actions.

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 may not reach. 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 as and when it occurs.

8.13 Budget and sponsorship

During the Financial Year 2009-10, the receipts and expenditure were ₹ (*Indian Rupee's new official symbol*) 25.64 million and ₹ 24.18 million respectively, showing a surplus of ₹ 1.45 million against the approved budgeted deficit of ₹ 3.45 million and forecast deficit of ₹ 4.5 million.

The final results showing a surplus of ₹ 1.45 million during the financial year is in fact due to (i) a deferred payment paid during the subsequent year 2010-11 (on 1 April 2010) and (ii) a postponed commitment. A sum of ₹ 1.67 million was not incurred due to deferment of arrears payment for senior officers. A sum of ₹ 5.5 million is still due to L&DO of the Govt. of India and the payment reserved for this purpose could not be effected in the absence of a demand notice from them. This is being pursued by reminders.

The audited details of the accounts are included in the Agenda of PFC.

8.14 WatSave Awards

WatSave Awards are being presented in 3 categories since 1998. So far, the NCs of The Netherlands (1998), China (1999), India (2000), Korea (2001), Canada (2002), Japan (2003), France (2004), Spain (2005), Malaysia (2006), USA (2007), Pakistan (2008) and India (2009), have received the honour of sponsoring the Awards. The 2010 Awards are being sponsored partly by the Indonesian National Committee and partly by the Chinese National Committee of ICID. The country hosting the IEC in a particular year, in general, has been gracious to sponsor these Awards consistently during the last few years.

Item 9 : Report of the Management Board (MB)

The 40th meeting is scheduled to be held on 10 October 2010 from 18.00 – 20.00 hours at Indonesia. A summary report of the decisions/recommendations of MB since its 39th 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 on 13 October 2010 (First Session - 09:00-12:30 hours and Second Session – 13:30-17:00 hours) for its 21st meeting at Indonesia. The agenda for the Committee is given at Appendix I, 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 30th meeting of PCTA will be held on 14 October 2010 (First Session - 11:00-12:30 hours and Second Session – 13:30-18:00 hours) at Indonesia. The agenda for the PCTA is given at Appendix X, Page A-69.

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 31st meeting of PFC will be held on 12 October 2010 from 13:30-17:00 hours. The agenda for the meeting of the Committee is given at Appendix XXXI, Page A-185.

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

Item 13 : Amendments to Constitution and By-laws

Vide Notification No.2 of 2002, a Task Force (TF6) for `*Reviewing and Suggesting Rules and Responsibilities of Vice Presidents*' was created according to the recommendation of PCSPOA at its 12th meeting and its acceptance by IEC held in Seoul. The Task Force has been constituted with the membership Ir. Keizrul bin Abdullah (Convenor); Dr. S. Taniyama and Dr. M.H. Amer as members. The objective of the Task Force was to cover the existing role and responsibility of Vice Presidents stipulated under By-law 3.4 and to suggest how their experience and expertise could be further gainfully utilised in promoting the mission of the Commission and enhancing participation and activities of NCs in the ICID program. The Task Force presented its report in the 14th meeting of PCSPOA and subsequently deliberated in the consequent meetings, in the process the TF also met NCs to receive feedback and comments on their needs and finally came to the conclusion in the 59th IEC meet at Lahore.

At 59th IEC meeting at Lahore, Pakistan in October 2008, the new roles of Vice President were discussed and it was highlighted that the (i) Vice President should keep close contact with NCs allocated to them, (ii) Vice Presidents should keep in contact with each other to reactive inactive members during their visits across the regions and allocations and (iii) the Chairmanship of Regional Working Groups should be assigned to a Vice President in the region. The Vice Presidents have made efforts to play their new roles.

While provisions (i) and (ii) indicated above are already embedded in ICID By-laws, under Clause 3.4, item (iii) above is yet to be incorporated in the By-laws:

By-law (1) in the preamble deals with changes of By-Laws as below: *(to quote)*

Changes of By-laws: *The Council shall have powers from time to time to add, repeal, amend or vary all or any of the By-laws as they shall think expedient or fit for the management of the affairs of the Commission, or implementation of the powers of the Council, under the Constitution. The By-laws shall not be inconsistent with the Constitution of the Commission."*

In accordance with the available provisions, Secretary General proposes for the consideration of the Council, the following additional penultimate sentence being added to the text:

To add before the last sentence "Notwithstanding the generality of the foregoing, the Vice Presidents may be assigned any of the following duties by the President'

'The Chairmanship of the Regional Working Groups, as far as possible, should be assigned to a Vice President in the region.'

Presentations

Item 14 : Presentation on Strategy Theme '*On-Farm*'

During the 61st IEC meeting, a presentation will be made on the Strategy Theme –On-farm (ST-ON-FARM) by the Theme Leader, Vice President Hon. Saeed Nairizi (Iran). A written script of the Theme Presentation is annexed (**Annex 2**).

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. Peter S. Lee (UK) as Convenor with Vice President Hon. Dr. Mark Svendsen (USA), Vice President Dr. Willem F. Vlotman (Australia), Vice President Prof. Lucio Ubertini (Italy) and Dr. Gerhard R. Backeberg (South Africa) as members for the WatSave Award Committee.

The Convenor of the Panel of Judges, President Hon. Peter S. Lee while announcing the Awards will give a brief on the meritorious submissions.

15.2 Plaques to retiring 3 Vice Presidents and Secretary General

Citation plaques shall be presented during the IEC meeting to the retiring following three Vice Presidents of ICID for their commendable services and guidance to the ICID activities during their tenure 2007-2010:

Prof. Dr. Peter Kovalenko	Ukraine
Dr. A. Hafied A. Gany	Indonesia
Engr. Dr. Illahi B. Shaikh	Pakistan
Engr. M. Gopalakrishnan	Secretary General, ICID

(The vacancy announcement for the Secretary General was issued in July 2010 and the selection process had commenced; as it is likely that the new Secretary General would assume office early 2011 and hence, SG Gopalakrishnan will complete his tenure soon thereafter. This being the last IEC, Council may wish to bid farewell to him and present a Plaque following the usual practice of honouring the retiring Office Bearers).

15.3 Plaques to retiring Chairs of Workbodies

The following Chairperson of workbody would be retiring this year and will be presented citation plaque for providing commendable guidance to the activities of the concerned workbody:

Dr.-Ing. Eiko Lübbe, Vice President Hon., ICID and (Chairman, ERWG) (2002-2010)

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

The Best Paper Award for 2010 selected on the basis of the contributions to the Journal made during 2009 will be announced by the Chair EB-JOUR, President Hon. Bart Schultz, and presented at the time of Yogyakarta, IEC. The Award will comprise books of specified value to be provided by M/s. Wiley-Blackwell and a citation plaque by ICID.

Items for Information

Item 16 : Framework of Cooperation between FAO / ICID / UN-Water Decade Program on Capacity Development (UNW-DPC) to organise Capacity Building Workshop at the 6th Asian Regional Conference, Yogyakarta, October 2010

UN-Water members FAO and UNW-DPC have desired ICID, `*a UN-Water partner*' to join hands under an agreement titled "*Framework of Cooperation*" to hold a side event to assess the programme implemented on `*AquaCrop*' by FAO and UNW-DPC. They have proposed that this can be in the upcoming annual ICID meeting, so as to involve a large number of ICID experts.

In the light of the foregoing, the conduct of the side event being planned is as below:

(i) The side event shall be held "*back to back*" and will not clash with the other schedules of IEC (*workbody meetings and 6th ARC*). This will be independent.

(ii) The `*side event*' will precede the entire ICID 2010 annual events (October 10-16) and shall be held for two days (October 8-9, 2010).

(iii) All the three viz. FAO, UNW-DPC and ICID will be the organisers.

(iv) The event support, participants etc., will be decided by the sponsors FAO / UNW-DPC in consultation with ICID.

(v) As the side event will stand independent, all the participants may or may not continue to stay in Yogyakarta to join ARC subsequently.

(vi) A few may however be attending the 61st IEC as the outcome of the side event will be discussed in working groups meetings / PCTA / IEC.

Item 17 : Memorandum of Understanding between ICID and UN-Water Decade Program on Capacity Development (UNW-DPC) on Capacity Development for Water in Agriculture

A MoU has been signed between ICID and UNW-DPC on Capacity Development for Water in Agriculture and the MoU will be effective for 2 years from April 2010.The MoU may also be terminated by either party before its ending by giving notice in writing to the other party. The period of notice is 14 days. No change in or modification of this MoU shall be made except by prior written agreement between ICID and UNW-DPC. A copy of the MoU is annexed at **Annex 3**.

Elections

Item 18 : Election of Three Vice Presidents

Election of Vice Presidents

As per Article 6.2.4 of the ICID Constitution (1996), the 3-year term of office (2007-2010) of the following three Vice Presidents will conclude at the end of the Yogyakarta IEC and its adjunct study tours –

Prof. Dr. Peter Kovalenko	Ukraine	(2007-2010)
Dr. A. Hafied A. Gany	Indonesia	(2007-2010)
Engr. Dr. Illahi B. Shaikh	Pakistan	(2007-2010)

Following six Vice Presidents will continue beyond 61st IEC:

Dr. (Mrs.) Samia El-Guindy	Egypt	(2008-2011)
Mr. Shinsuke Ota	Japan	(2008-2011)
Prof. Lucio Ubertini	Italy	(2008-2011)
Dr. Willem F. Vlotman	Australia	(2009-2012)
Dr. Laszlo G. Hayde	Hungary	(2009-2012)
Mr. A.K. Bajaj	India	(2009-2012)

In response to the Central Office's circular dated 15 March 2010 and reminders dated 15 April 2010 and 11 May 2010 and 1 June 2010 inviting nominations for the positions of Vice President for the term 2010-2013 the following nominations were received in the Central Office, 4 months in advance of the date of the IEC meeting, i.e. up to 15 June 2010.

Sl. No.	Nominee	Country	Date of receipt in the Central Office	Nomination validity
1.	Mr. Chaiwat Prechawit	Thailand	12 June 2010	Valid
2.	Engr. Husnain Ahmad	Pakistan	16 June 2010	Valid**

** PANCID informed over phone to ICID Central Office 11 June 2010 that they are interested in sending the nomination. However, nomination papers were received on 16 June 2010, a day later, in comparison to the set target; the council may notwithstanding the small delay in its submission may consider it as a valid submission and direct the election process.

As the Central Office has received less nomination by the due date, President, ICID invoked the available provisions in By-law 2.5 *(see below for a quote)* and requested the National Committees in some of the regions to send nominations to ensure equitable distribution. In response to Presidential invite, it is likely that some nominations would be forthcoming and these will be reflected in the supplementary agenda.

"By-law 2.5 **Nomination by President:** The President may, in consultation with the Secretary-General, invite any National Committee to submit a nomination for the vacancy in the office of the President or of a Vice-President. Such nomination in writing with complete curriculum vitae and other particulars as are hereinafter mentioned must be received in the Central Office at least one month prior to the effective date of the Council meeting at which it will be actually deliberated. In case of a postponed meeting it must be received at least one month prior to the actual date on which the Council meeting will be held. Election for the 3 positions of Vice President will be held at the IEC meeting on 15 October 2010. 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.

The regional allocation of NCs amongst the Vice Presidents for the current term 2009-10 is seen below. This would be suitably modified, *'post IEC 2010'*. The countries that are being handled by the relinquishing three VPs will be reassigned by President in consultation with Secretary General and the three newly elected VPs will also share the distribution, as appropriate.

ALLOCATION OF NATIONAL COMMITTEES AMONGST VICE PRESIDENTS (2009-10)

Sr. No.	Vice President	Proposed Allocation of Region/National Committees for 2009-10
1	**Prof. Peter Kovalenko (Ukraine) 2007**	**REGION: EUROPE** **ACTIVE** Covering Czech. Republic, Estonia, Finland, Israel, Kazakhstan, Lithuania, Romania, Russia, UK, Uzbekistan, and Ukraine **DEEMED TO BE INACTIVE** Bulgaria, Poland, and Slovak Rep. **ADMITTED BUT NOT PAID SUBSCRIPTION** Azerbaijan and Turkmenistan **NEW COUNTRIES TO BE LIAISED FOR MEMBERSHIP** Armenia, Belarus, Bosnia & Herzegovina, Georgia, Latvia, and Moldova
2	**Dr. A. Hafied A. Gany (Indonesia) 2007**	**REGION : ASIA & OCEANIA** **Part-North-Eastern and Part-Eastern Europe Africa and Part West Asia** **ACTIVE** Malaysia, Philippines, Thailand, and Indonesia **NEW COUNTRIES TO BE LIAISED FOR MEMBERSHIP** Cambodia and Papua New Guinea
3	**Dr. Illahi B. Shaikh (Pakistan) 2007**	**REGION : ASIA & OCEANIA** **ACTIVE** Iran, Kyrgyz Rep., Syria, Turkey, Saudi Arabia, and Pakistan **DEEMED TO BE INACTIVE** Jordan, Lebanon, and Tajikistan
4	**Dr. (Mrs.) Samia El-Guindy (Egypt) 2008**	**REGION : AFRICA AND PART ASIA** **ACTIVE** Cyprus, Ethiopia, Mali, Morocco, Niger, Nigeria, South Africa, Zambia, and Egypt **ADMITTED BUT NOT PAID SUBSCRIPTION** Burkina Faso, Cameroon, Chad, Mauritius, and Sao Tome & Principe **DEEMED TO BE INACTIVE** Angola, Ghana, Ivory Coast, Kenya, Libya, Madagascar, Malawi, Mozambique, Senegal, Sudan, Tanzania, Uganda, and Zimbabwe **NEW COUNTRIES TO BE LIAISED FOR MEMBERSHIP** Botswana, Central African Republic, Congo, Dem. Rep. of Congo (Zaire), Gabon, Guinea, Kuwait, Mauritania, Namibia, Oman, Swaziland, Somalia, Togo, and United Arab Emirates

Sr. No.	Vice President	Proposed Allocation of Region/National Committees for 2009-10
5	**Mr. Shinsuke Ota (Japan) 2008**	**REGION : ASIA & OCEANIA** **ACTIVE** China, Korea and Japan **ADMITTED BUT NOT PAID SUBSCRIPTION** Mongolia **NEW COUNTRIES TO BE LIAISED FOR MEMBERSHIP** Democratic People's Republic of Korea, and Laos Republic
6	**Prof. Lucio Ubertini (Italy) 2008**	**REGION : AMERICAS** **ACTIVE** Brazil, Canada, Chile, Guyana, Mexico, Uruguay, USA, and Italy **DEEMED TO BE INACTIVE** Argentina, Colombia, Dom. Republic, Ecuador, Honduras, Panama, Peru, Surinam, and Venezuela **ADMITTED BUT NOT PAID SUBSCRIPTION** Jamaica **WITHDRAWN ON THEIR OWN** Cuba **NEW COUNTRIES TO BE LIAISED FOR MEMBERSHIP** Bolivia, Costa Rica, El-Salvador, French Guiana, Guatemala, Haiti, Nicaragua, Paraguay, Puerto Rico, and Trinidad & Tobago
7	**Dr. Willem F. Vlotman (Australia) 2009**	**REGION : ASIA & OCEANIA** **ACTIVE** Fiji and Australia **DEEMED TO BE INACTIVE** Vietnam **ADMITTED BUT NOT PAID SUBSCRIPTION** Yemen **WITHDRAWN ON THEIR OWN** New Zealand
8	**Dr. Laszlo G. Hayde (Hungary) 2009**	**REGION : EUROPE** **ACTIVE** Austria, Croatia, France, Germany, Greece, Ireland, Macedonia, Netherlands, Portugal, Serbia, Slovenia, Spain, Switzerland, and Hungary **DEEMED TO BE INACTIVE** Algeria, Belgium, and Tunisia **WITHDRAWN ON THEIR OWN** Denmark **NEW COUNTRIES TO BE LIAISED FOR MEMBERSHIP** Albania, Montenegro, Norway, and Sweden
9	**Mr. A.K. Bajaj (India) 2009**	**REGION : ASIA & OCEANIA** **ACTIVE** Afghanistan, Bangladesh, Chinese Taipei, Iraq, Myanmar, Nepal, Sri Lanka. and India **NEW COUNTRIES TO BE LIAISED FOR MEMBERSHIP** Bhutan and Maldives

Item 19 : Any other business

Item 20 : Closing remarks by President, ICID

Annex 1 [IEC Item 5]

STATEMENT OF RESPONSES RECEIVED WITH REGARD TO VICE PRESIDENT, ICID – DR. WILLEM VLOTMAN's WEB CONFERENCING FOR CONDUCTING ICID BUSINESS

Sl. No.	Individual / National Committee / Office – Bearers, Chairs of Workbodies	Response
1	Dr. José A. Ortiz Fdz.-Urrutia E-mail dated 5 April 2010	This is my personal opinion on VP W. Vlotman's letter and his proposal to improve the effectiveness of IEC and WGs' work using video conference technology. Even though recognising the usefulness of video conferences to hold meetings by companies whose members reside far away, in order to save time and travel costs, and therefore to increase its effectiveness, I doubt that this might be of immediate application to ICID meetings due to the much larger number of persons attending to both IECs and WGs meetings, which might complicate the session's conduction at the time of open debates. As far as I know commercial companies use video conferences to hold meetings with small groups of selected staff members but not at general assemblies. So I am unable to imagine how presently the Chairs of ICID meetings would be able to conduct sessions (usually crowded) giving the floor to different persons, either members or observers, to answer to questions or to make improvised remark, unless the interventions are strictly regulated by using only written notes to the Chair. This way the sessions would be more systematically organized and will probably gain effectiveness but will lose spontaneity and therefore act against the vividness of our meetings. It is easier to raise the hand at a precise moment that to write a note to be attended by turn by the chair. I do not dare to say that this will only have negative effects on ICID's meetings and much less to foresee a limit to the possibilities of digital communication methods. The only thing indispensable to me is to make pilot essays in small ICID's groups in order to tune up the technique for the different kinds and modalities of our meetings and prove that there are more advantages than drawbacks when it is applied to specific Commission's activities. Supposing that video conference method is eventually adopted, and WG's members from far away are able to intervene in the discussions -obviously paying some reduced fee to get the connexion-, I wonder whether their digital interventions will be considered by ICID as their presence in person or not to the aim of keeping their membership to the Group or even, if they pay the said fee but do not have the chance to intervene, will they also be considered as members "present" at the meeting?. VP Vlotman refers to a "separate category" of attendee. How would affect this "separate category" to their membership?. Furthermore if, in the case that they wish to make a presentation to the group and are allowed to do it, will they have the opportunity to answer to questions and have cross discussion on his paper with other members present at the meeting? Obviously if, at the end, this possibility becomes a reality, many experts in different countries, unable to assure their attendance in person to the meetings by several reasons, will not have problem to be nominated by their Natl. Committees as members of specific Work Bodies. I do not agree with W. Vlotman's belief that the use of video conferencing "will not distract from attending in person but will actually stimulate future attendance". My personal belief is just the contrary. No matter the meetings are in Oceania or Europe travels are costly and uncomfortable to those living far away, one week out of office may often be too long, etc. I think that when participants become aware that they can "attend" the meetings comfortably, from their desks, many of them will prefer this more quiet solution. It is a question of time but, at the end, many will choose the quiet option which, in my view will be in the long term detrimental to the life of the meetings and to the liaise existing among ICID members, despite they (we) meet only once each year. Such friendly relations will surely be lost.

Sl. No.	Individual / National Committee / Office – Bearers, Chairs of Workbodies	Response
		By no means I would like to appear as wishing to burst Vlotman's hope globe of introducing video conferencing to ICID's meetings. I am sure that if he makes this proposal, it is because he has a good experience and strong reasons to believe on the applicability of this technology to improve ICID's work and am also confident on the wise appreciation of ICID upon the results of pilot tests to take the best decisions.
2	NETHCID (Mr. Pol Hakstege) E-mail dated 16 April 2010	I enclose a reaction of one of our members of NETHCID Mr. de Nooy. ---- Pol (A.L.) Hakstege, Secretary/ Treasurer NETHCID Dear Pol, In my opinion the idea to introduce e-mail conferencing is a very sensible one. Travel and hotelcosts may be prohibitive for many members from developing countries and if they can attend conferences via e-mail by just paying a modest sum to obtain a password this would be a great way to overcome this problem. It would also create the possibility for those not eligible (due to lack of seniority or whatever reason) to attend the conferences.Furhtermore it would economise on time necessary to attend the conferences. It may be even possible to organise "sub-conferences" where some members would get together and attend the conference, or make students attend who now certainly do not have the means. I am greatly in favour As to the second issue it is not clear to me what Willem Vlotman wants to achieve here, so I cannot give you my opinion on this issue. Rob de Nooy
3	ITAL-ICID (Dr. Maria Elisa Venezian Scarascia) E-mail dated 22 April 2010	ITAL-ICID agrees on the project of V. F. Vlotman to introduce e-conferencing as a permanent option for the IEC Meetings of ICID. The e-conferencing will stimulate future attendance of participants and a better functioning of the Workbodies.
4	Philippines National Committee (Dr. Dominador Pascua) E-mail dated 27 April 2010)	Relative to Vice President Willem Vlotman's proposals on the conduct of ICID business, following are our comments: 1. e-conferencing We support e-conferencing for ICID events. E-conferencing will promote increased participation from National Committees in ICID events/activities. This will be cost effective for participants with limited resources. It will also eliminate concerns on travel documentary requirements. PNC-ICID members are interested to attend IEC meetings and join Workbodies, particularly the WG-Climate. However, they are constrained by lack of sponsors to finance their travel. But with e-conferencing, they will be encouraged to participate. 2. Establishment of data base We support the establishment of the data base.
5	Mr. A.K. Bajaj Vice President, ICID & Chairman, INCID E-mail dated 12 July 2010	I have gone through the letter of 23rd March from Vice President William F. Vlotman. The proposals are quite interesting and forward-looking. We should move towards opting the state-of-the-art technology, especially information technology for simplifying our work. However, I have some concerns about participation from the not-so-advanced countries.

Sl. No.	Individual / National Committee / Office – Bearers, Chairs of Workbodies	Response
		Most of the developing countries are still not in a position to catch up advanced technologies. An example case is the Journal and the preference to go for online subscription. I understood from Central Office that the preference has been for printed copies of ICID Journal in case of most developing countries. Before any individual expert in any of the working groups provides his reactions or views, he does lot of consultations within his country's organizations and other experts in the field. Expecting a spontaneous communication in the web dialogue may not be feasible in such cases. It may be possible for many experts from developed countries due to their individual expertise in their field but difficult for many others. Therefore, the option to go in for web conferencing or conducting Working Group meetings as suggested may have to be approached cautiously. It should not result in contributions to the proceedings being only from a select few. I feel that the idea of web conferencing can be tried out on a pilot basis for one or two Working Groups in between interactions but the annual meetings at the time of IEC should definitely be face to face. **PS**: I am not very sure what VP Vlotman is trying to convey by his statement "As in Lahore and Delhi, potential participants may be faced with travel restrictions or visa problems which prevent them from attending." As the organizer for the Delhi IEC, I did not come across a single complaint about visa problems except one case where the fault was with the person of dual nationality making conflicting applications. It is unfair of VP Vlotman to hold up Delhi as an example in this context.
6	Dr. Maurits Ertsen Chair, WG-MIS E-mail dated 14 April 2010	This is to let you know that I fully support the suggestions made by Dr. Vlotman.
7	Mr. Peter Kovalenko Vice President, ICID E-mail dated 27 April 2010	I have received from you a letter of Willem F. Vlotman, where he states his vision and intention on stimulation of regional cooperation and improvement of functioning work bodies by means of organizing web-conferences in Yogyakarta and during the subsequent events of ICID. I want to express my willingness to second and promote these innovation ideas to be realized in practical situations but in my opinion in the process of organizing and holding e-conferencing we can meet some difficulties as the capabilities of ICID National Committees are not equal to guarantee the holding such conferences up to the mark. But in spite of this I think It is very vise, reasonable and opportune idea to improve and streamline the activities of ICID work bodies, and of course, it is worthy of consideration and implementation and I am ready to assist and contribute to realization of this idea in fact in all possible way.
8	Dr. Shinsuke Ota Vice President, ICID E-mail dated 31 May 2010	Thank you for your mail of 20th May. I read through the proposals from Dr. Vlotman and examined the contents. I basically agree to his proposals since both the proposals are quite reasonable and timely. Here I would like to send some comments: (1) Web conference system The proposed system will have much possibility to especially encourage developing countries in participating in various meetings.

Sl. No.	Individual / National Committee / Office – Bearers, Chairs of Workbodies	Response
		However, we will have to verify the feasibility through trial in view of internet circumstances including cost in each developing country and additional cost for introducing the new system. Based upon the trial result, we will be able to set a rule on procedure and payment for attending the meeting through website. (2) Database of membership It is true confirmation of incumbent members of work bodies are always headache to chairmen. The proposed database will drastically decrease time consumed for business matters, which will be utilized in more important discussions. We would better make some flexible treatment for renewal of membership by utilizing this database. Here, I would like to make the following proposals. 1. The attendance by Web conference system (related to the web conference described in 1) above) will be also admitted to get new membership of each working group. 2. A rule to access to this proposed database will be established for active utilization and security. I hope the above comments will contribute to fruitful discussion on this matter.

Annex 2 [IEC Item 14]

On-Farm Water Management
towards
More Crop Production

Dr. Saeed Nairizi
Vice President Hon, ICID

Presentation on the Strategy Theme - On-Farm

ICID - CIID INACID

61st International Executive Council Meeting

15 October 2010

Yogyakarta, Indonesia

I. Introduction

Population growth in developing and less developed countries has caused a great concern on the global food security issues. In spite of the proportional water resource development worldwide, but yet the threat of hunger and malnutrition has not been diminished in these regions of the world. FAO has reported that the global food self sufficiency in developing countries will be reduced from 91% at the present to 86% by the year 2030.

Agriculture is the main source of food production; where 60% of the crop and forage production is coming from rain fed agriculture through direct use of rainfall (green water) and the rest 40% are irrigated agriculture contribution (blue water). The trend of crop land development in the past decades (1960 to 2000) shows, almost no change in the area under dry farming at the level of 1200 million hectares, but irrigated farming has experienced a continuous expansion up to 270 million hectares with largest increase during the 1970s, so called green revolution decade (Figure 1); However, crop land per capita reduced progressively in this period and created many concern upon the future of global food security. Challenge of demand increase in other water consuming sections and environmental awareness makes the situation more complex and put the dream of world food security in more shadow.

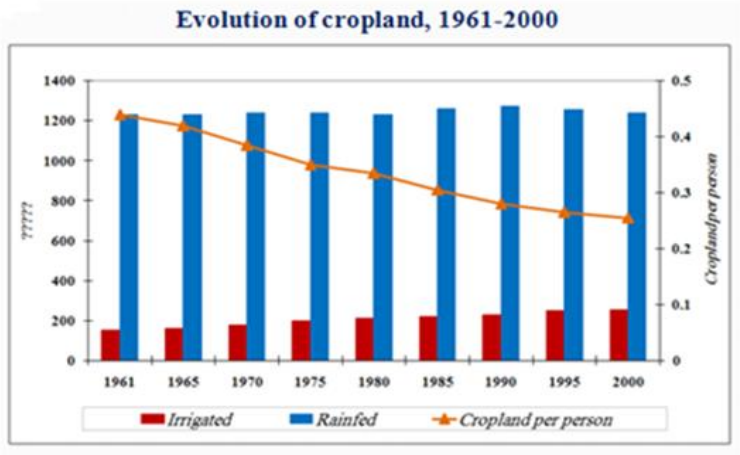


Figure 1

The ever increasing cost of water resources development further limits the available and affordable choices. So there are only few options before decision makers and technical staffs, more effective use of rain water in rain fed agriculture, water demand management, and water productivity improvement could be the most promising alternatives.

II. Rain Water Productivity

Precipitation is the main source of water availability to mankind which forms the surface and groundwater resources. But considerable portion of the inland precipitation dose not contributes to the Blue water, due to direct evaporation from the bare land or transpiration by the vegetation, including cultivated dry farming and natural pastures.

In spite of the importance of green water contribution to the global food supply yet little attention has been paid on its effectiveness. There are considerable opportunities to enhance the performance of dry farming and natural postures through introduction of better soil- agro technical approaches, improved crop verities to adapt the prevailing environment, and watershed management

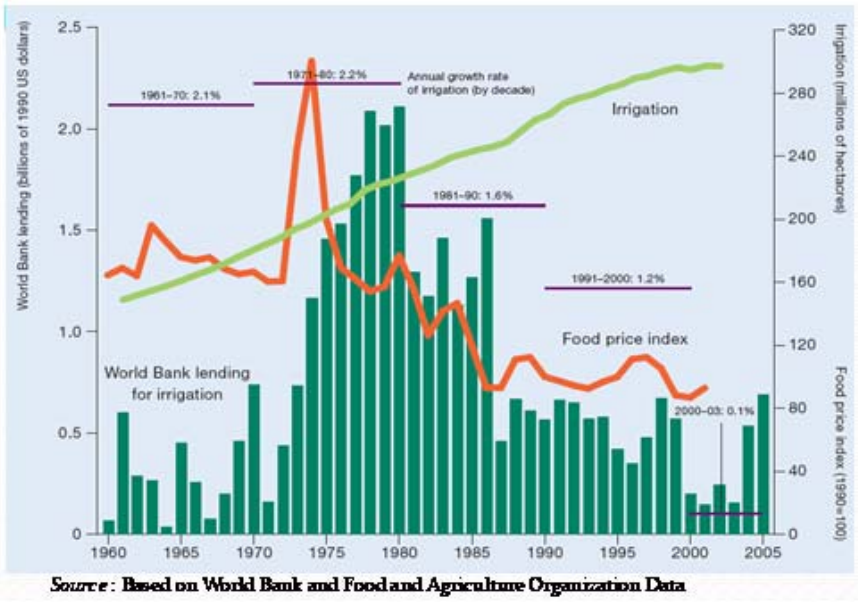
III. Agricultural Water Productivity

The world irrigated area has experienced the greatest rate of development through 1970 to 1985, but because of water resources limitation and decline in investment on irrigation infrastructure, due to its lower rate of return, this expansion diminished to the lowest level, about 0.1% in the beginning of this millennium (Figure 2). Therefore we could not expect any dramatic change in the rate of irrigated area in future. What remains to do to cope with the ever increase in food demand is to do better job with the available soil and water resources in this sector. This objective can be reasonably achieved by:

a. Crop yields enhancement at farm level

b. Optimizing crop water requirement estimation

c. Upgrading the level of irrigation water management to eliminate the non productive water losses.



Source: Based on World Bank and Food and Agriculture Organization Data

Figure 2

a. Crop yield enhancement

One of the preliminary aims of agricultural researches in the last half a century was to convert the livelihood agriculture to economical and industrial agriculture, through manipulating the input resources to agricultural production. The improved crop verities, through conventional plant breeding techniques and more recently bio- technology and genetic engineering has proven great opportunities in this respect. However such improvement has not been experienced or adopted globally. Figure 3 demonstrate this potential capacity which remains to be realized in developing countries compared with the performance in developed countries as an example for maize production. Although irrigation water is the key player in this scenario but its effectiveness in total crop productions is limited. Other production inputs such as appropriate soil- agro technology, improved seed and crop varieties, environmental adaptability, and most importantly the management may have more impacts.

b. Optimizing crop water requirement (demand management)

The conventional practices for crop water requirement estimation result some over estimation of what, in reality, crops need for their physiological consumption. This is partially due to consideration of evaporation from bare land at the farm level within the context of crop water need. Any attempt to minimize or control this evaporation losses would in effect reduces actual evapotranspiration, ET, at farm level.

The evaporation part of ET amounts from 30% of crop transpiration and more depending on the irrigation application technology and management. The other misconception of crop water requirement calculation based on climatic data is that they normally estimate the potential crop ET rather the actual ET. But in real world the potential crop ET occurs where there is no limitation in moisture availability in the soil profile and this is the case which never prevails. FAO publication No. 56 is a considerable improvement in this respect by introducing appropriate coefficient to convert potential ET to actual ET. The applicabability of FAO 56 approach should be monitored in different location for further recommendation or to find more simple adjustment approaches.

c. Irrigation water management

- ***The economic consideration***

Typical crop- water production function demonstrates that the rate of change of yield diminishes as irrigation increases Figure 4.

Figure 3

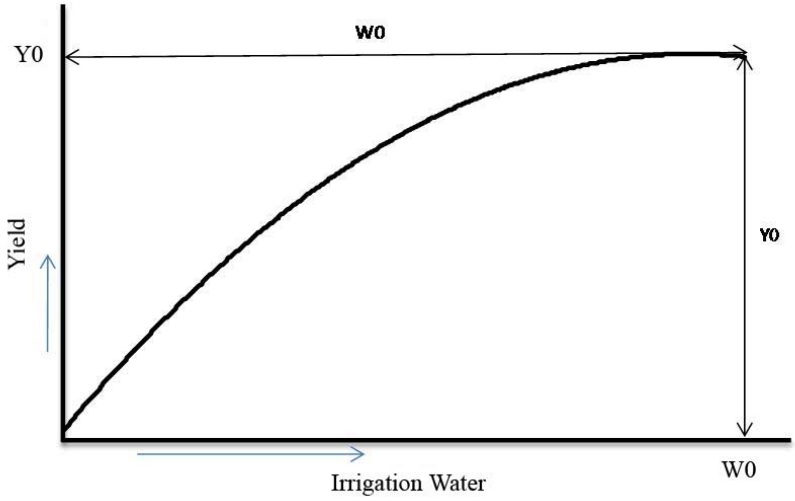


Figure 4

There is a point in this function where extra water has no yield increase consequences and hence no beneficial use, i, e, Y0 = Potential yields, W0= Maximum irrigation requirement. From economy point of views the optimum operation point within the context of such production function is where marginal cost of supplying water equals the marginal benefit out of crop production, and that is, in all irrigation schemes below the point of potential yield (Y0, W0). There are several considerations in determination of such optimal operation point in any irrigation planning, crop species and varieties, timing of imposing irrigation deficit, the economical parameter are the examples. More land can be irrigated by a given quantity of water through adapting this approach

- ***Irrigation water losses management***

Irrigation water losses are another issue which contributes to the estimation of gross irrigation water requirement. In conventional method of water losses or irrigation efficiencies evaluation, at farm level, any deep percolation to the soil profile beyond the root zoon and, run off the farm are considered as on- farm irrigation losses. Whereas in reality, particularly where water resources are limited, these water losses may be a useful source of water for a farmer in downstream. So in basin wise, this water is not lost and is used in another location if they are not discharged to any poor quality water resources. So irrigation water losses are the portion of irrigation water which

does not contribute to the crop production process, and they are also non recoverable or reused elsewhere. Any evaporation from bare land at the farm level is falling in this category. However to have successful investment in minimizing irrigation water losses such concept of irrigation efficiencies should be acknowledged.

IV. Recommendations

a. Green water should be recognized as a potential water resource for food supply, so improving its effectiveness need to be in any agenda dealing with global food security. Rain water harvesting, storage and recharging ground water has been practiced historically and contemporary. But improving and upgrading natural pastures and dry farming and forestry management will have more pronounced impacts in this respect.

b. Conventional crop water requirement (CWR) computation based on climate data and simplified assumption such as availability of moisture in the root zoon will lead to overestimation. Attention of research institute and soil- water- crop scientists should be diverted to the techniques dealing with more direct responses of crops to water deficit. Attempts have been made in FAO technical report No. 56 to overcome some of the misconception of prevailing CWR competition, but yet on farm evaporation, as the non beneficial water use remains within the context of proposed procedure

c. Irrigation application technologies should focus on the systems to minimize the non- beneficial evaporation at farm level. Sub surface micro irrigation, mulching and covering of soil surface by different means are the examples of such approaches.

d. Green revolution, so called in the seventies, to boost crop yield at farm level did not succeed well. It was in fact a blue revolution that is the global food development was mainly due to allocating more water to agriculture, rather than focusing on other production inputs. However there is a limit to this approach, so it is the time to invest in research and technology to improve crop yields per hectare by optimizing other crop production inputs, proper seed and plant selection, appropriate agro- techniques from planting to harvest, effective fertilizing, pest, and plant diseases control, and most important updated farm management are the keys to the successful future farming particularly in developing countries.

e. Water resources are a very valuable commodity. They must be consumed in an economical context and framework. Agriculture as the main user of water should, by all means, consider the economical output of water relative to its value and costs. Researches and practices show that satisfying all crop water requirements is not economical process. Deficit irrigation is a promising approach in any Crop- Water – Soil models. In the case of cereals up to 30% irrigation deficit might be close to the optimum solution in most cases. There are many evidences that accepting 20% irrigation water deficits in a normal cropping pattern with cereals as the main crop is quit a good approximation of the optimal water allocation.

f. Irrigation sciences have not demonstrated any drastic innovation or conceptual improvement during the past decodes as well as other applied sciences. The three most important questions as: How, When and How much to irrigate are yet answered through old concepts, whereas they are mostly indirect approaches and approximation of the reality. Limitation of fresh water availability, population growth, boosting water demands, increasing cost of water supply and distribution, and access to new technologies and sciences should force us, here at ICID, to facilitate and encourage new ideas to restructure the way of our thinking about irrigation to the advantage of crop production processes.

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Annex 3 [IEC Item 17]

UNITED NATIONS UNIVERSITY
UNW-DPC
UN WATER
UN-Water Decade Programme on Capacity Development

ICID•CIID
International Commission on Irrigation and Drainage (ICID)

Memorandum of Understanding

between

International Commission on Irrigation and Drainage (ICID)

(hereafter referred to as ICID)

48 Nyaya Marg, Chanakyapuri, New Delhi 110021, India

represented by Prof. Dr. Chandra A. Madramootoo

and

UN-Water Decade Programme on Capacity Development (UNW-DPC)

(hereafter referred to as UNW-DPC)

United Nations University, UN Campus, Hermann-Ehlers-Str. 10, 53113, Bonn, Germany

represented by Dr. Reza Ardakanian

Background

Agriculture is not only the world's largest water user in terms of volume, but is also a relatively low-value, low efficiency and highly subsidized user. In the years to come it is expected that the agricultural sector will be unable to compete with households and industry for increasingly scarce water resources, and yet is under pressure to produce more food and fibre with less water and less deterioration of water quality to satisfy the food needs of a growing world population. The overall future scenario is further aggravated by the impact of climate change. As such, agriculture needs to improve its overall performance, in general, and its water productivity in particular.

Individual and institutional capacities have to be developed to cope with increasing climate variability, the water and land use demands of other users, etc. Hence new approaches to and initiatives for capacity development are needed for rain-fed and irrigated agriculture to ensure sustainable water and land use management.

Under the terms of this MoU it is agreed that ICID and UNW-DPC will seek to cooperate in the field of Capacity Development for Water in Agriculture, in the following areas:

1. ICID will support UNW-DPC by

   - providing access to its international network of professionals in the field of water and agriculture and its capacity development experts;
   - providing information and access to the activities of the ICID Working Groups dealing with matters like Capacity Building, Training and Education;
   - bringing coherence to and coordinating with UNW-DPC, through its Working Groups handling Capacity Building and similar tasks, its future plans and needs in terms of capacity development.

UNITED NATIONS UNIVERSITY
UNW-DPC

UN WATER
UN-Water Decade Programme on Capacity Development

ICID·CIID
International Commission on Irrigation and Drainage (ICID)

2. UNW-DPC will support ICID and/or its members by

- providing a platform within its online Information System on Capacity Development activities (CDIS) for disseminating knowledge and materials about the issue of water efficiency in agriculture and related capacity development activities and other relevant ICID activities;

3. ICID and UNW-DPC will commit to work in close cooperation with each other on

- Jointly coordinating needs assessments on capacity development concerning water efficiency in agriculture and other related topics:
  - Establish a Working Group of experts, including ICID Working Groups dealing with the subject matter relating to Capacity building and training; UNW-DPC and other relevant UN-Water members and partners;
  - Develop and disseminate a needs assessment questionnaire among the selected 105 ICID member countries and UN-Water partners;
- Initiating capacity development workshops, on Water Efficiency in Agriculture and other related important topics resulting from the capacity needs assessment, among members of ICID and Un-Water members and partners with relevant mandates;
- Advertising and disseminating information about and outcomes and results of the joint activities through UNW-DPC / ICID websites and networks.

4. UNW-DPC and ICID will develop frameworks of cooperation for each joint activity, specifying specific responsibilities and funding issues concerning the particular activity;

5. This MoU will be effective for 2 years from the date of signing. The MoU may be terminated by either party before its ending by giving notice in writing to the other party. The period of notice is fourteen days. No change in or modification of this MoU shall be made except by prior written agreement between ICID and UNW-DPC.

Bonn, April 08, 2010

Dr. Reza Ardakanian
Director, UNW-DPC

New Delhi, March 22, 2010

Prof. Dr. Chandra A. Madramootoo
President, ICID

APPENDIX I [IEC Item 10]

Agenda for the Twenty-first Meeting of the
PERMANENT COMMITTEE ON STRATEGY PLANNING AND ORGANIZATIONAL AFFAIRS (PCSPOA)
Yogyakarta, Indonesia
13 October 2010 : 09.00-12.30 hours (Session – I)
13 October 2010 : 13.30-17.00 hours (Session – II)

Year of Establishment: 1997

Members : (1) Vice President Dr. A. Hafied A. Gany, Chairman (Indonesia, 2007); (2) Vice President Mr. Shinsuke Ota, Vice Chairman (Japan, 2008); (3) Vice President Prof. Peter Kovalenko (Ukraine, 2007) (4) Vice President Engr. Dr. Illahi B. Shaikh (Pakistan, 2007); (5) Vice President Dr. (Mrs.) Samia El-Guindy (Egypt, 2008); (6) Vice President Prof. Lucio Ubertini (Italy, 2008); (7) Vice President Dr. Willem F. Vlotman (Australia, 2009); (8) Vice President Dr. László G. Hayde (Hungary, 2009); (9) Vice President Engr. A.K. Bajaj (India, 2009); (10) Vice President Hon. Dr. Ing. Eiko Lübbe (Germany, 2006); (11) Vice President Hon. Dr. Karim Shiati (Iran, 2006); (12) Vice President Hon. Ir. Mohd. Azhari bin Ghazalli (Malaysia, 2006); and (13) Er. M. Gopalakrishnan, Secretary General, ICID.

Ex-Officio Members : (1) Chairman, African Regional Working Group (AFRWG); (2) Chairman, European Regional Working Group (ERWG); (3) Chairman, Asian Regional Working Group (ASRWG); (4) Chairman, American Regional Working Group (AMRWG); (5) Chairman, Working Group on Young Irrigation Professionals Forum (WG-YPF); (6) Chairman, Committee on Congresses/Conferences (C-CONGR); (7) Chairman, Working Group on Irrigation and Drainage in States under Socio-Economic Transformation (WG-IDSST); and (8) Chairman, Special Work Team on Lake Chad Basin (ST-LCB).

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

Item 1 : Confirmation of minutes of the 20th meeting of PCSPOA held at New Delhi, India, 08 December 2009

The minutes of the 20th meeting of PCSPOA held in New Delhi on 8 December 2009 were circulated and placed on the ICID website on 09 February 2010. Since no comments were received on the minutes, it may be confirmed.

A. CONTINUING ITEMS

Item 2 : Membership of PCSPOA and Workbodies

2.1 In terms of By-law 3.2.2(e), Vice Presidents Hon. Dr. Ing. Eiko Lübbe (Germany), Dr. Karim Shiati (Iran) and Ir. Mohd. Azhari bin Ghazalli (Malaysia) will retire from the membership of the Committee at the conclusion of the Yogyakarta events on completion of their 4-year tenure. The 3 new Vice Presidents who will be elected at the 61st IEC will join the Committee as members in their place.

2.2 The Committee may nominate a Secretary from amongst the members.

2.3 The membership provisions as included in **Annex 1** are being generally followed presently and were reviewed at Lahore meeting. The annex gives a compendium of provisions for membership, tenure of workbodies, etc.

Chairs of the workbodies and National Committees are requested to follow these guidelines.

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

Asian Regional Working Group (ASRWG)

Deferred Nominations

- Mr. Hanan Itzkovitch (Israel)
- Engr. H.M. Jayatillake (Sri Lanka)

Working Group on Irrigation and Drainage in States under Social-Economic Transformation (WG-IDSST)

New nomination

- Mr. Ernazarov Nazimjon (Uzbekistan)

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

Deferred nominations

- Mr. Illiassou Mossi Maiga (Niger)
- Prof. Dr. Tsugihiro Watanabe (Japan)

Committee on Congresses/Conferences (C-CONGR)

New nomination

- Dr. Bert Toussaint (The Netherlands)

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

New nomination

- Ir. Fabian Priandani (Indonesia)

Deferred Nominations

- Ms. Kartabayeva Irina Anatolyevna (Kazakhstan)
- Mr. Nikolay Akhmatovich (Russia) in place of Dr. Nariman Shamsutdinov
- Engr. Muhammad Ejaz Tanveer (Pakistan) in place of Engr. Qazi Tallat Mahmood Siddiqui

Item 3 : New Member Countries and Membership Drive

3.1 Central Office has not received any new applications for membership of ICID so far.

Fiji's and Cameroon's applications for ICID membership were accepted at the New Delhi IEC (2009). Fiji has paid its subscription to commence its membership while the first subscription from Cameroon is still awaited. Central Office has communicated with the Vice Minister, Ministry of Agriculture and Rural Development, Cameroon and provided desired documents to formally effect their membership.

The National Committees of Azerbaijan, Burkina Faso, Chad, Jamaica, Mauritius, Mongolia, Turkmenistan, Sao Tome & Principe and Yemen whose membership applications had been accepted by the IEC in the past were also requested to pay their first subscription to commence their membership formally. Response from them is awaited.

3.2 Various countries in different regions that were approached to join ICID membership are as follows:

Africa: Botswana, Guinea, Mauritania, Namibia, Somalia, Swaziland and Togo.

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

Asia and Oceania: Armenia, Bhutan, Cambodia, Georgia, Kuwait, Lao PDR, Oman and UAE.

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

The Central Office has provided all the desired information required for the membership to these countries. In response, Central Office has received an affirmative response from Dr. Robert Salandy, Director (Land and Water Development Division) Republic of Trinidad & Tobago for becoming a member. The annual membership subscription of Trinidad & Tobago for the year 2010 works out to be US$ 1,355. Central Office has requested Dr. Salandy to send their formal application for membership. Response is awaited.

Any further responses and developments will be reported at the meeting.

Item 4 : Active National Committees and Re-activation of Inactive National Committees (NCs)

Annex 2 shows the updated list of ICID Network countries as on 01 August 2010. The statement below summarizes the region-wise membership status:

Region	Active	Deemed to be Inactive	Admitted but not paid subscription	Withdrawn	Total Network
Africa	08	15	05	-	28
Americas	07	09	01	01	18
Asia and Oceania	26	04	04	01	35
Europe	24	04	-	01	29
Total	65	32	10	03	110

Despite concession given during the 60th IEC meeting in New Delhi, based on the recommendation of the PFC that one can wait for one more year for dues to be received. These countries have not cleared their dues. As such, we may be obliged to consider these countries deemed inactive after 2010 in case the dues are not cleared by the end of this year.

The inactive NCs in all the regions were requested to activate themselves. Vice Presidents of the concerned region 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. Mr. Harold Adlai Agyeman, Acting High Commissioner and Minister-Counselor/ Head of Chancery, Ghana High Commission visited the Central Office on 2 June 2010. Secretary General, ICID made a presentation highlighting ICID's key activities and initiatives, the advantages/ benefits for member countries. Mr. Agyeman lauded ICID's role in ensuring 'Global Food Security' and offered to assist in reactivation of Ghana National Committee (GHANCID).

The National Committees of Belgium, Bulgaria, Poland and Slovak Republic have become inactive in the past. The Central Office is in contact (11 March 2010) with these National Committees for their reactivation. The Central Office has also invited (17 March 2010) Albania, Belarus, Bosnia & Herzegovina, Moldova and Norway for ICID membership. In response, Norway has declined (18 March 2010) the ICID offer for membership. Responses from others are awaited.

The ICID Central Office made efforts to reactivate the NCs of Jordan, Lebanon, New Zealand, Tajikistan and Vietnam in Asia and Oceania region. Dr. Fadi G. Comair vide his letter dated 29 April 2010 indicated that they would like to reactivate Lebanese NC with the support of the Lebanese Ministry of Energy and Water and

particularly in his capacity as the General Director of Hydraulic and Electrical Resources and President of the Mediterranean Network of Basin Organizations (MENBO). In reply, the Central Office has supplied them with all the necessary information for reactivation of the Lebanese NC. Further efforts to achieve the reactivation will continue with the support of Vice Presidents who have been assigned the countries in their region.

The inactive NCs in Americas, viz., Argentina, Columbia, Cuba, Dominican Republic, Ecuador, Honduras, Panama, Peru, Surinam and Venezuela were contacted. Argentina and Peru indicated their inclination to join ICID in 2008. The Central Office is actively pursuing their reactivation and awaits their further response.

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

Vice Presidents' reports on their efforts to strengthen regional cooperation and activities of NCs

In the light of the election of three new Vice Presidents at New Delhi, a redistribution of the National Committees and regions amongst the newly elected and present Vice Presidents for the year 2009-10 has been effected (*See IEC Agenda, Item 18*). Non-member countries in the regions are also shown as allocated to the Vice Presidents, who have shown interest to facilitate their admission to ICID through their good offices/efforts.

It was highlighted that the (i) Vice Presidents should keep close contact with NCs allocated to them, (ii) Vice Presidents should keep in contact with each other to reactivate inactive members during their visits across the regions and allocations and (iii) where feasible, the Chairmanship of Regional Working Groups should be assigned to a Vice President in the region.

The Central Office has requested all Vice Presidents to provide a report of their visits to the countries of their region and on the developmental activities undertaken by them since the New Delhi meeting.

Vice President Dr. W.F. Vlotman informed the Central Office that he was in correspondence with the Ministry of Agriculture, New Zealand. While supporting the mission of ICID, Hon'ble Minister for Agriculture in New Zealand expressed the Ministry's inability to justify resourcing country membership and its associated cost owing to fiscal constraint. However, he has suggested contacting a number of Crown Research Institutes in water and agriculture research in New Zealand who might be interested in ICID activities.

Recently, VP Vlotman has talked to several representatives of the New Zealand Irrigation Industry and the New Zealand research Community during Irrigation Australia Limited (IAL) 2010 Conference and Exhibition held in Sydney in June 2010. They have expressed their continued interest in rejoining ICID and hoped to do so in the near future. VP Vlotman has indicated that a few representatives of the above organizations may attend ICID meetings in Yogyakarta. Vice President Dr. Vlotman is also in contact with the Vietnam National Committee for its reactivation and Yemen for commencing their ICID membership by payment of subscription.

Vice President Dr. László Hayde made efforts to reactivate the NCs of Uganda and Bulgaria through his contacts, hope that these efforts will bear fruit.

The responses from other Vice Presidents are awaited.

Vice Presidents will present report on their efforts to reactivate national committees, strengthen regional cooperation and activities of NCs during the meeting.

Item 5 : Task Forces

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

At the New Delhi meeting, the Committee suggested that the TF-LDCsAF could be closed. Central Office has brought out a final version of the TF Report which will be circulated at the meeting.

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

At New Delhi, a workshop on "Development and financing of irrigation schemes" was organized by TF-FIN. It was decided to redefine the aims of the TF in line with those presented in the background papers during the workshop. The TF stressed not to rewrite existing literature on the economic evaluation of publicly funded irrigation and

drainage systems. It was decided to focus on area of user charges and its associated economic influences. It was proposed to organize workshops during ICID annual meetings. The members were encouraged to present on the methods of charging water user in their country during the TF meeting. The TF also agreed to prepare draft guidelines for case studies to be presented on "principles and practices of water charging systems in irrigation: cross-country experiences".

Item 6 : Strengthening and Broadbasing of NCs, Evolving/Revising Constitution of NCs

The Central Office had in its record the Constitutions of 41 National Committees. Rest of the National Committees is being advised, from time to time to adopt and furnish a copy of their Constitution to the Central Office. Also inform about modifications, if any. As suggested at the New Delhi meeting, Central Office has provided sample 'Constitutions of National Committees' to all those National Committees who sought it.

B. REVIEW OF TENURES AND ACTIVITIES OF WORKBODIES

Item 7 : African Regional Working Group (AFRWG)

At the New Delhi meeting, the AFWG nominated Dr. Adama Sangare (Mali) as the new Chairman and Mr. Andrew Senewe (South Africa) as the Vice Chairman**.** The 3rd African Regional Conference is scheduled to be held in Mali in September 2011. The three-year work plan of the AFRWG will be discussed and finalized at the Yogyakarta meeting.

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

Item 8 : European Regional Working Group (ERWG)

The French National Committee will host the 24th European Regional Conference on the theme "Groundwater Resource: An Essential Resource to be Saved and Managed" in Orleans, from 14-16 March 2011 while the 25th European Regional Conference in Groningen on the theme "Integrated Water Management for Multiple Land Use in Flat Coastal Areas" will be held in Groningen, The Netherlands, from 16-20 May 2011.

The Chair, ERWG will present his report at the meeting.

Item 9 : Asian Regional Working Group (ASRWG)

The 5th Asian Regional Conference was successfully held in New Delhi, India from 6-11 December 2009 on the theme "Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better Operation and Maintenance". The 6th Asian Regional Conference will now be held in Yogyakarta, Indonesia from 10-16 October 2010 on the theme "Improvement of Irrigation and Drainage Efficiency through Participatory Irrigation Development and Management under the Small Land Holding Conditions." The Australian National Committee will host the 7th Asian Regional Conference on the theme "Regional Cooperation for Water and Food Security" in Adelaide in June 2012 in conjunction with the 63rd IEC meeting as approved at New Delhi IEC.

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

Item 10 : American Regional Working Group (AMRWG)

The AMRWG had planned to organize a workshop on the theme "Food vs. Fuel: Implications for Water Resources" during the New Delhi events of ICID. Despite the best efforts, only one speaker was available for the proposed workshop and hence the workshop could not be held as envisaged. Therefore, it was decided to first consolidate the membership of the WG and then pursue the activities listed in the agenda.

The Convener, AMRWG will present his report at the meeting.

Item 11 : Working Group on Irrigation and Drainage in States under Socio-Economic Transformation (WG-IDSST)

The 60th IEC meeting held at New Delhi approved the proposal to rename the 'Special Work Team on Aral Sea Basin (ST-ARAL)' as the 'Working Group on Irrigation and Drainage in States under Social-Economic Transformation (WG-IDSST)' with a new mandate and action plan. The WG-IDSST will hold its first meeting in Yogyakarta this year.

The Chair, WG-IDSST will present his report at the meeting.

Item 12 : Special Work Team on Lake Chad Basin (ST-LCB)

The tenure of the ST was extended by two years (up to 2011) to complete its mandate. The ST would like to concentrate on the issues brought out in the background paper circulated by Lake Chad Basin Commission and to contribute effectively on "Climate Change and Irrigation" with a focus on Africa.

Due to the absence of the Chair and scarce attendance of members at the New Delhi meeting, the agenda could not be transacted.

The Chair, ST-LCB will present his report at the meeting.

Item 13 : Committee on Congresses/Conferences (C-CONGR)

At New Delhi, the Committee reviewed and discussed the preparations of the 61st IEC meeting and 6th Asian Regional Conference in Yogyakarta, Indonesia during 10-16 October 2010, and the 62nd IEC meeting and 21st ICID Congress in Tehran, Iran during 15-23 October 2011. The Committee noted that the topics and subtopics for the 21st Congress had been finalized and the General Reporters and Panel of Experts were appointed. The Committee also reviewed the preparations for the 3rd African Regional Conference in Mali in September 2011 and also the 25th European Regional Conference in Groningen, The Netherlands from 16-20 May 2011. The Committee also took cognizance of 24th European Regional Conference proposed to be hosted in Orleans, France in 2011.

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

Item 14 : Working Group on Young Irrigation Professionals Forum (WG-YPF)

At New Delhi, it was noted that the young professionals had been increasingly playing an important role in ICID activities and recommended that the the tenure of the WG may be extended further to fulfill its mandate. The declining attendance of young professionals in IEC meetings was noted and the National Committees were urged to support and encourage young professionals to attend ICID events.

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

Item 15 : New Workbodies

At New Delhi IEC meeting, Prof. Hector Malano, Chair, PCTA in his report informed about the creation of new three Task Forces, viz. "Sedimentation of Reservoir", Water for Bio-Energy and Food" and "Compilation of Information on River Basins".

Regarding the creation of TF on "Sedimentation of Reservoir", PCTA recommended that though the topic was under the domain of ICOLD, a background paper justifying the creation of the TF be discussed at Yogyakarta meeting. About the creation of a TF on "Compilation of Information on River Basins", PCTA suggested that a background paper be prepared for discussion in Indonesia.

As for the new "Task Force for Water for Bio-Energy and Food (TF-BIO-ENERGY)", the PCTA supported its creation since it is an important issue. Mr. Laurie Tollefson, Canada agreed to chair the TF. Nominations have been invited from National Committees for the TF membership. It is proposed that with the available nominees, the Chair may conduct the TF's maiden meeting on 12 October (09.00-12.30 hours) and set further actions as appropriate. These could include an expanded Terms of Reference (ToR), assignments to the members and firming up a position paper in a timeframe acceptable to all.

At the New Delhi IEC meeting, PCTA Chair based on the proposal of the WG-TRUE said that capacity building encompasses all areas of ICID activities. It was suggested that the Central Office would prepare a background paper and eventually come up with the recommendations to incorporate capacity building in the various working groups.

Secretary General, ICID had requested Prof. Tom Franks, former Chairman of erstwhile WG on Capacity Building, Training and Education (WG-CBTE) to prepare a background paper on the topic. Prof. Tom Franks prepared a paper *'Capacity Development for Irrigation and Drainage: The role for ICID'* and sent to the Central Office (Please

see Annex of agenda of the WG-TRUE). Prof. Franks has brought out that ICID need to remain active in the field of capacity development for irrigation and drainage in partnership with others and support innovative and effective approaches to capacity development. He suggested that it may be appropriate for ICID to reconsider and re-engage with the topic.

The workshop organized by UNW-DPC under the 'Framework of Cooperation' between ICID and UNW-DPC may also elicit to map out the possibilities and to identify some follow-up activities on 'Capacity Building'.

Chairs of each of the Task Force/ Secretary General, ICID will apprise updates at the meeting.

Item 16 : Strategy for Communication and Cooperation between ICID and Other Organizations

(i) Lead International Organizations

ICID has been in close cooperation with related International Organizations by attending their meetings and through communications. Some of the organizations with which ICID has close cooperation are - FAO, The World Bank, Asian Development Bank (ADB), African Development Bank (AfDB) through AgWA initiative, World Water Council (WWC)/ World Water Forum, Global Water Partnership (GWP), International Fund for Agricultural Development (IFAD), International Commission on Large Dams (ICOLD), World Meteorological Organization (WMO), Third World Centre for Water Management (TWCWM), Asia-Pacific Water Forum (APWF), UN-Water/ UNW-DPC, IPTRID, UN World Water Assessment Programme (WWAP), ISO, Global Subsidies Initiative (GSI), etc. ICID continues to host the International Water-related Associations' Liaison Committee (IWALC) Secretariat in Central Office and the Secretary General renders coordinating support as its Secretary.

An international workshop on AquaCrop jointly by UNW-DPC-FAO-ICID is scheduled to be held on 8-9 October 2010 at Yogyakarta under the 'Framework of Cooperation' between ICID and UNW-DPC.

IFAD has shown interest in participating 6th Asian Regional Conference (ARC) at Yogykarta. Mr. Ganesh Thapa, Regional Economist of Asia and the Pacific Division of IFAD will make a key note speech on"Small-scale irrigation and poverty reduction in Asia" during the 6th ARC.

Dr. Pasquale Steduto of FAO sees ICID as the key partner and would like to reinforce this relationship further. FAO would like to consult ICID and hold a roundtable discussion on strategy to work on 'Water for Food' for the 6th World Water Forum at Yogykarta.

It was agreed that ICID should preferably continue, on a reciprocal basis, to invite the related International Organizations as members or observers of ICID while endeavoring to join other International Organizations as member or observer, when invited.

The Committee will explore more avenues for cooperation and communication with likeminded international water-related organizations. If sponsored projects with the financial support of donors could be undertaken with joint partnership of other global organizations, ICID's value will enhance and also strengthen its finances.

(ii) Farmers and other Water Users

The importance to strengthen communication and cooperation between ICID and farmers and other water users was noted at the New Delhi meeting of PCSPOA.

The Committee noted that in the developed countries, farmers and other water users were already the members of their National Committees, members of national workbodies and could even become the members of ICID workbodies. A few farmers from developed countries were members of ICID workbodies in the past. However, in the developing countries it is difficult for a farmer to become a member of National Committee or workbodies of ICID due to lack of communication and financial resources. Thus there exists a gap in farmers' representation, even when there is a provision.

At New Delhi, the Committee endorsed the suggestion that the NCs of ICID translate and distribute ICID publications (selected based on the likelihood of their potential application) locally and other important messages to strengthen the communication between ICID and farmers and other water users. Where necessary, the NCs may produce some simplified booklets, by using illustration diagrams to explain appropriate technologies covering such (latest) aspects on irrigation, drainage and flood management techniques. The National Committees could also develop a team of 'extension workers' to help the farmers come closer to ICID for exchange of information. The

National Committees could also compile information on the irrigation and drainage equipments/ products in their countries, manufacturers, prices, installation methods, etc. and bring out catalogues for the benefit of farmers. The NCs (as also ICID) could organize technical workshops focused on matters of interest to farmers, such as water rights/law, economic/financial aspects etc. and distribute relevant material in languages considered effective for communication to stakeholders.

The Committee will explore other ways and means to increase the participation of Farmers in ICID meetings.

(iii) Membership of International Organizations, Private Companies and Manufacturers

The internal review of the Permanent Finance Committee (PFC) had suggested direct involvement of the international organizations and other private companies and manufacturers who are interested in the irrigation and drainage sector, in ICID activities. In addition to bringing in a new knowledge base to ICID, such a move would also be able to generate support to the ICID revenues, which are falling short of the expenses over the years more and more. The International Organizations could be given the membership of ICID as Associate Members or Corporate Members or Company Members and could be extended the privilege of attending workbody meetings and IEC meeting, though without voting rights. Some membership fee can be suggested, if this is acceptable, in principle.

At New Delhi meeting, the Committee noted Iranian National Committee's request that the issue of inviting private companies and international agencies/organizations to ICID family as members should be taken up. The Committee endorsed the proposal of PFC for broadbasing ICID membership. Not only this will be of importance for boosting the ICID's financial health but also for benefit mutually with private sector and others in further extension of the technologies.

VPH Dr. S. Nairizi, Chair, PFC in his report presented at the 60th IEC highlighted the desirability of bringing private companies into the ICID fold. He pointed out that as of now, no representatives in the capacity of manufactures, consultants, contractors and companies directly participate in ICID activities. Such private sector players' voices are not being heard in the ICID forum. It was felt that if a platform were to be provided to them, it will give them an opportunity to share ideas. The decision-making process would be greatly improved within the working groups by a good interaction among Industry, Academia and Government's representatives in ICID National Committees, if doors were open for them to participate with some form of direct membership in ICID.

In due cognizance of the approval given to the above proposal by the 60th IEC at New Delhi, VPH Nairizi circulated amongst National Committees/Committee on 7 April 2010 a concept note highlighting the principle for broad- basing the ICID membership, conceived in the broadest fashion. This was circulated to elicit opinion of the National Committees/Committee.

So far, the National Committees of Japan and Iran have responded. More information and responses received will be provided at the Committee meeting at Yogyakarta.

C. NEW ITEMS

Item 17 : 6th World Water Forum (WWF-6), Marseille, France, 16-22 March 2012

The 6th World Water Forum will be held in Marseille, France from 16-22 March 2012 on the theme *"Solutions for Water"*. President Hon. Bart Schultz, who spearheaded ICID contributions to the 5th World Water Forum, will coordinate ICID inputs to the 6th World Water Forum through a Task Force which has been constituted for this purpose by following the past practices. The first meeting of the Task Force will be held at Yogyakarta to chalk out framework of activities and a work plan.

A kick-off meeting was held in Marseille on 3rd and 4th of June 2010. Approximately 300 participants representing international institutions, parliamentarians, local governments, NGOs, trade unions, businesses and experts attended the first meeting. ICID was represented at the kick-off meeting by Dr. François Brelle, President, French National Committee (AFEID), Mr. Michel Ducrocq, and Mr. Jacques Plantey. The priorities pointed out in the meeting refer to the uses of water in the fields of health, agriculture, energy and the economy.

Mr. Loïc Fauchon, President of the World Water Council (WWC) invited ICID to contribute for "Food" soon after the 'kick-off' meeting. Dr. Ben Braga, President, International Forum Committee for the 6th WWF, in his communication to ICID highlighted 'Food' as a key issue after health. The issues such as 'Balancing Multiple Uses' and 'Land Uses' are other issues that might interest ICID also. He also invited ICID for the second consultation meet on WWF-6 which will take place in France from 18-19 November 2010.

Dr. Pasquale Steduto, Chief, Water services, Land and Water Division, FAO in August 2010 has indicated that "Water for Food" will be a major topic of the Forum and that most likely FAO will be asked to lead the initiative on this theme being one of the Council Governors. FAO has proposed to organize a first informal meeting of key stakeholders at the World Water Week in Stockholm in September 2010.

Following the positive experience of the last Forum in Istanbul, it is apparent that FAO sees ICID as a key partner in such global events and reinforce this relationship further. Prof. Pasquale's request for a slot to organize a side event on WWF-6 in the form of a roundtable on the occasion of the ICID event at Yogyakarta has been agreed to on 13 October at 1100 hours. Organizing a consortium as a first step towards a large consultation on 'Water for Food' leading to the Forum will be the main point.

Item 18 : Any other business

To discuss on the possibility of adjusting the term of "PCSPOA" into a straight forward term related to its mandate.

Annex 1 [Appendix I, Item 2.3]

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. Workbodies 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 Workbody or Workbodies.

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 51st 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 56th 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).

Annex 2 [Appendix I, Item 4]

NATIONAL COMMITTEE MEMBERSHIP NETWORK AS ON 01 AUGUST 2010

AFRICA

Active (Acronym) (Year of Joining)

1. Egypt (ENCID) (1950) *
2. Ethiopia (ETCID) (1976) *
3. Mali (AMID)(2005) *
4. Morocco (ANAFIDE) (1959) *
5. Niger (ANID) (2007)
6. Nigeria (NINCID) (1970) *
7. South Africa (SANCID) (1993) *
8. Zambia (ZACID) (1966)

Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)

1. Algeria (CNAID) (1965) (1999)
2. Angola (ANGCID) (1978) (1994)
3. Ghana (GHANCID) (1958) (1982)
4. Ivory Coast (IVCID) (1969) (1982)
5. Kenya (KENCID) (1977) (2003) *
6. Libya (LICID) (1988) (2000)
7. Madagascar (MADCID) (1983) (1986)
8. Malawi (MILCID) (1967) (2004)
9. Mozambique (MOCID) (1978) (2006)
10. Senegal (SENCID) (1966) (1992)
11. Sudan (SUCID) (1964) (2003)
12. Tanzania (TANCID) (2000) (2006)
13. Tunisia (TUNCID) (1960) (1993)
14. Uganda (UGCID) (1963)(1983)
15. Zimbabwe (ZICID) (1955)(2001) *

AMERICAS

Active (Acronym) (Year of Joining)

1. Brazil (ABID) (1970) *
2. Canada (CANCID) (1956) *
3. Chile (CHICID) (1979)
4. Guyana (GUCID) (1992) *
5. Mexico (MXCID) (1951) *
6. Uruguay (URCID) (2007)
7. USA (USCID) (1951) *

Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)

1. Argentina (ARCID) (1975) (2004)
2. Colombia(INAT)(1966)(2003) *
3. Dominican Republic (DOMCID) (1961) (1986)
4. Ecuador (EDORCID) 1959) (1985)
5. Honduras (HOCID) (1979) (1999)
6. Panama (PANACID) (1980) (1990)
7. Peru (PERU-ICID) (1965) (1973)
8. Surinam (SURCID) (1956) (1985)
9. Venezuela (VENCID) (1963) (1982)

Withdrawn on their own (Acronym) (Year of Joining) (Year of withdrawal)

1. Cuba (CUCID) (1970) (1991)

ASIA AND OCEANIA

Active (Acronym) (Year of Joining)

1. Afghanistan (AFGICID) (2008)
2. Australia (ANCID) (1952) *
3. Bangladesh (BANCID) (1973)*
4. China (CNCID) (1983) *
5. Chinese Taipei (CTCID) (1969)*
6. Fiji (FIJICID) (2010)
7. India (INCID) (1950) *
8. Indonesia (INACID) (1950) *
9. Iran (IRNCID) (1955) *
10. Iraq (IRQCID) (2006)
11. Israel (ISCID) (1950)
12. Japan (JNC-ICID) (1951) *
13. Kazakhstan (KAZCID) (2006)
14. Korea (KCID-ICID) (1970) *
15. Kyrgyz Republic (KYRCID) (2004)
16. Malaysia (MANCID) (1958) *
17. Myanmar (MINCID) (1962) *
18. Nepal (NENCID) (1973)
19. Pakistan (PANCID) (1953) *
20. Philippines (PNC-ICID) (1956) *
21. Saudi Arabia (SACID) (1977)
22. Sri Lanka (SLNICID) (1950)
23. Syria (SYCID) (1962)
24. Thailand (THAICID) (1950) *
25. Turkey (TUCID) (1954) *
26. Uzbekistan (UzNCID) (1994) *

Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)

1. Jordan (JORCID) (1978) (2003)
2. Lebanon (LEBCID) (1964) (1976)
3. Tajikistan (TAJCID) (1997) 2003)
4. Vietnam (VICID) (1960) (2003)

EUROPE

Active (Acronym) (Year of Joining)

1. Austria (AUNCID) (1954)
2. Croatia (CRCID) (1993)
3. Cyprus (CYCID) (1955)
4. Czech Republic (CZNC-ICID) (1997)*
5. Estonia (ESTCID) (2001)
6. Finland (FINCID) (2000) *
7. France (AFEID) (1953) *
8. Germany (GECID) 1957)*
9. Greece (GRCID) (1957) *
10. Hungary (HUCID) (1955)*
11. Ireland (IRCID) (1978)
12. Italy (ITAL-ICID) 1950) *
13. Lithuania (LNCID) (1994)
14. Macedonia (MAKCID) 1995)*
15. Netherlands (NETHCID)1950)*
16. Portugal (PNCID) (1954)
17. Romania (CNRID)(1992)*
18. Russia (RUCID)(1955)
19. Serbia (YUGCID) (2002)
20. Slovenia (SINCID) 1992)*
21. Spain (CERYD) (1955) *
22. Switzerland(CH-AGRAM) 1951) *
23. UK (ICID.UK) (1951)*
24. Ukraine (UKCID) (1996)

Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)

1. Belgium (BELCID) (1988) 1997)
2. Bulgaria (BNCID) (1960) (2006)
3. Poland (POCID) (1957) (2006)
4. Slovak Republic (SKNC-ICID) (1996) (2006)*

AFRICA	AMERICAS	ASIA AND OCEANIA	EUROPE
Admitted but not paid subscription (Acronym) (Year of Admission) 1. Burkina Faso(BURCID)(2000) 2. Cameroon (CAMICID) (2009) 3. Chad (ATID) (2003) 4. Mauritius (MAUCID) (1992) 5. Sao Tome and Principe (SAOCID) (1985)	**Admitted but not paid subscription (Acronym) (Year of Admission)** 1. Jamaica (JAMICID) (2008)	**Withdrawn on their own (Acronym) (Year of Joining) (Year of withdrawal)** 1. New Zealand (NEWCID) (1979) (1986) **Admitted but not paid subscription (Acronym) (Year of Admission)** 1. Azerbaijan (AZERCID) (2005) 2. Mongolia (MOGCID) (1993) 3. Turkmenistan (TURMICID) (1998) 4. Yemen (YECID) (1993)	**Withdrawn on their own (Acronym) (Year of Joining) (Year of withdrawal)** 1. Denmark (DENCID) (1981) (1986)

Constitutions of 41 Committees marked * are in Central Office record

Region	Active	Deemed to be inactive	Admitted but not paid subscription	Withdrawn	Total
Africa	08	15	05	-	28
Americas	07	09	01	01	18
Asia and Oceania	26	04	04	01	35
Europe	24	04	-	01	29
Total	**65**	**32**	**10**	**03**	**110**

Note: 1. Guyana joined in 1957, Inactive during 1987 – 1991, rejoined in 1992; 2. Iraq joined in 1950, Inactive during 1993-2005, rejoined in 2006; 3. Romania joined in 1959, Inactive from 1982-1991, rejoined in 1992; 4. Vietnam joined 1960, Inactive during 1992-1995, rejoined in 1996 and again inactive from 2003; and 5. Yugoslavia joined in 1950 but reapplied in 1998 after break-up (as Serbia).

APPENDIX II [PCSPOA Item 9]

Agenda for the Seventeenth Meeting of the
ASIAN REGIONAL WORKING GROUP (ASRWG)
Yogyakarta, Indonesia
11 October 2010 : 09.00-12.30 hours

Year of Establishment: 1996

Mandate: The general objective of the Asian Regional Working Group is to focus on common topics and issues and to enhance the transfer of appropriate technology in irrigation and drainage to and from the Asian Region. The mission of ASRWG is to encourage membership in Asia and to coordinate activities in the region.

Members: (1) Vice President Hon. Karim Shiati, Chairman, 2006 (Iran, 1997); (2) Mr. Tai-Cheol Kim, Vice Chairman, 2007 (Korea, 2006); (3) Mr. Anthony J. Horton, Secretary, 2007 (Australia, 1997); (4) Mr. Khem Raj Sharma (Nepal, 1997); (5) Dr. Siripong Hungspreug (Thailand, 1998); (6) Mr. B. M. Yusupov (Uzbekistan, 1998); (7) Mr. T. Anwar Khan (Bangladesh, 1998); (8) Mr. Waseem Nazir (Pakistan, 1999); (9) Mr. Sheng-Feng, Kuo (Chinese Taipei, 2001); (10) Mr. S. Siswoko (Indonesia, 2002); (11) Mr. Taner Kimence (Turkey, 2006); (12) Vice President Shinsuke Ota (Japan, 2006); (13) Mr. Mohd. Abdul Nassir bin Bidin (Malaysia, 2007); (14) Mr. Wang Xiaodong (China, 2008); (15) Mr. Ravinder Singh (India, 2009); and (16) Secretary General, ICID.

Permanent Observers : (1) FAO Representative (Dr. Klaus Siegert); (2) ICARDA Representative (Dr. Theib Oweis); (3) Vice President Dr. W.F. Vlotman (Australia); (4) INPIM Representative (Mr. David J. Groenfeldt or Mr. Peter P.C. Sun); (5) IRRI Representative (Dr. Tu Phuc Tuong); (6) IWMI Representative (Mr. Nanda Abeywickrema); (7) IPTRID Representative; (8) World Bank Representative (Mr. Geoffrey Spenser); and (9) Mekong River Basin Representative.

Website: <http://www.asrwg.icidonline.org>

Item 1 : Confirmation of the minutes of the 16th meeting of ASRWG

The minutes of the 16th meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

Item 2 : Membership of the Working Group

Attendance sheet of the members at the meetings of the ASRWG held in 2008 and 2009 will be tabled during the Yogyakarta meeting.

2.1 Deferred nominations

The following nominations were deferred at New Delhi (2009) and Lahore (2008) meetings due to non-attendance of the nominees:

- Mr. Hanan Itzkovitch (Israel)
- Engr. H.M. Jayatillake (Sri Lanka)

The Central Office informed (26 May 2010) the WG's decision to the respective National Committees with a request to confirm the nomination or nominate a fresh member with an assurance that the nominee would either be present during the meeting or represented by the concerned NC. Responses are awaited.

2.2 Non-attendance/contribution

At the New Delhi (2009) meeting, the WG noted that the nominees from Nepal, Thailand and Uzbekistan have not contributed for the last three consecutive years (2007, 2008 and 2009).

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 1 of PCSPOA of Agenda (page A-10) and ICID By-law 3.1.7 which stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

The Central Office (CO) vide its e-mail of 24 May 2010 has requested these NCs to ensure their participation in the Yogyakarta (2010) meeting or alternately, nominate a fresh member in his/her place with an assurance that he/she would contribute to the activities of the WG. Responses are awaited.

Item 3 : To discuss future work plan

3.1 New Country Membership in ICID

The countries in Asia region have been allocated to Vice Presidents for follow-up actions to enhance the ICID membership as shown in **Annex**.

As a follow-up action to bring more Asian countries into ICID fold, the Central Office in February/ March 2010 has contacted a few countries for the membership of ICID in Asia region and these include Armenia, Bhutan, Cambodia, Georgia, Kuwait, Lao PDR, Oman and UAE. The National Committees of Azerbaijan, Mongolia, Turkmenistan and Yemen whose membership was accepted by the IEC in the past were requested by the Central Office (February 2010) to pay their first subscription to commence their membership formally. Responses are awaited.

The Central Office also requested (February 2010) the National Committees of Jordan, Lebanon, New Zealand, Tajikistan and Vietnam to reactivate their ICID membership. Vice President Dr. Willem Vlotman (Australia) has also written to New Zealand, Vietnam, Fiji and Yemen with a request to reactivate their membership.

Fiji's application for ICID membership was accepted at the New Delhi meeting in December 2009. Fiji paid its subscription in 2010 and has commenced its membership. With the joining of Fiji, the number of active member countries in ICID has become 65.

In response to Central Office's request, Dr. Fadi G. Comair, Director General of Hydraulic and Electrical Resources & President, Mediterranean Network of Basin Organizations (MENBO) from Lebanon has shown interest to revive Lebanon National Committee (LEBCID). In order to revive the membership, the Central Office requested LEBCID to send a letter of intent for its consideration at the Yogyakarta meeting in October 2010. Response is awaited.

At the New Delhi (2009) meeting, the representatives from Myanmar and Saudi Arabia (both active members of ICID) attended the ICID events after a long gap. During the meeting, it was proposed that the Chairman and Central Office will follow up with these countries to get nominees for ICID workbodies. Accordingly, the Central Office requested (24 May 2010) the above NCs to nominate a professional and send his/her nomination for the membership of ASRWG along with curriculum vitae for its consideration at the Yogyakarta meeting in October 2010. Responses are awaited.

3.2 Three-year rolling work plan

A three-year rolling plan for the activities of the Working Group was adopted at the New Delhi (2009) meeting. The Central Office requested (25 May 2010) the Chairman to provide the plan for its inclusion in the annotated agenda of the Yogyakarta (2010) meeting. Response is awaited.

Item 4 : ASRWG Newsletter and ASRWG Homepage

The WG noted the progress made regarding network linkages among the National Committees at the New Delhi (2009) meeting. The Chairman encouraged all the countries to strengthen the network linkages and act in coordination. The Central Office requested (25 May 2010) all National Committees (except Australia, Chinese Taipei, Iran, Malaysia, Thailand and India) to establish their own URL and develop network linkages between various NCs pertaining to the Asian region. NCs are requested to launch their websites and provide the web link to the Central Office. Responses are awaited.

Chairman will apprise the WG about further developments at the meeting.

Item 5 : Work on the Basin-sharing Model for Mekong River

A Special Session on the 'Mekong River Commission Initiative' was held on 9 December 2009 in New Delhi, India on the sidelines of the 60th IEC and 5th ARC. The Session Convener was President Hon. Peter S. Lee (UK). President Hon. Prof. Bart Schultz (the Netherlands) and Vice President Prof. Peter Kovalenko (Ukraine) acted as Co-conveners. About 40 delegates attended the MRC Special Session. The entire session was supported by hosts for ARC5 viz. INCID who were able to draw financial assistance from WMO. ASRWG may wish to record its appreciation.

The representatives of the Mekong Basin states, made presentations giving an overview of developments in their countries highlighting the problems being faced and the need for co-operation among basin states.

The following documents/ reports/ findings/ have been circulated by the Central Office to the members of the WG for their information and perusal –

- Report of '*Stakeholder Analysis for the MRC Basin Development Plan Programme Phase 2 (BDP2)*' (http://www.mrcmekong.org/download/programmes/bdp/BDP-SHA-Final-Mar-2010.pdf)
- 2nd Mekong State of the Basin Report (http://www.mrcmekong.org/download/State-of-the-Basin-Report-2010.zip)
- Agenda/ Call-for-papers/ first announcement of the 3rd Regional Stakeholder Forum on Mekong Basin Development Plan (http://www.mrcmekong.org/MRC_news/3rd-regional-stakeholder-forum-BDP.htm)
- Findings of the MRC basin-wide development scenario assessment:

  (http://www.mrcmekong.org/programmes/bdp/BDP-submissions.asp)
- A media release on "Mekong Commission visits China dams and will discuss future cooperation"

All members were requested to send their comments/ inputs directly to the person in MRC related to above documents/ reports.

Dr. Hungspreug/ THAICID representative may like to apprise the WG about further developments on the subject.

Item 6 : Linkages with Regional and Transnational Organizations for Cooperation

6.1 International Water Management Institute (IWMI)

The WG members noted the good collaboration between IWMI and ICID at the New Delhi (2009) meeting. One of the key topics of interest to ASRWG, IWMI's research programme on "*Trends in Asian Irrigation*" which came up during the following special session. To introduce this research project findings, a Special Session (IWMI, FAO, ICID) on the theme "Future of Irrigation in Asia" was organized on the sidelines of the 60th IEC and 5th ARC at New Delhi in December 2009. The prospects and threats that Asian irrigated agriculture faces and future directions were discussed under the following 'sub-themes' – future scenarios of water and food in Asia; poverty and water poverty in Asia/ IG Basin; productivity and water productivity in Asia/ IG Basin; trends and drivers of irrigation in Asia; irrigation management reforms and innovative options for the future; and investment options for the future.

The Chairman may apprise the members.

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

Dr. Klaus Siegert, Permanent Observer, ASRWG (FAO representative) was neither available at Lahore (2008) nor at New Delhi (2009) meetings.

WG had suggested in its last meeting that project programs related to agriculture and water be developed. Accordingly, the Central Office is in contact (26 May 2010) with Dr. Siegert to explore possibilities of mutual projects as above. Response is awaited.

FAO representative/ Chairman may like to apprise the WG about further developments during the meeting.

6.3 UN – WATER

ICID is one of the partner organizations of the UN-Water. ICID was invited in the preparatory process leading up to COP15. Secretary General offered his comments during the preparatory process. The close liaison with UN Water has enhanced ICID's role and visibility in all issues linking agricultural water management; future water challenges with external drivers like climate change, global financial crisis and bio-fuel compulsions.

ICID has joined the UN-Water Task Force on Water & Climate through WG-CLIMATE and Task Force on "Climate Change and Irrigation (ARTF-CC)" of ASRWG. Secretary General's report to IEC will provide more information on the subject.

6.4 ICID/UNW-DPC Cooperation on Capacity Development in Agricultural Water Management

A Memorandum of Understanding (MoU) was signed between International Commission on Irrigation and Drainage (ICID) and UN-Water Decade Programme on Capacity Development (UNW-DPC) in the field of Capacity Development for Water in Agriculture. The MoU was signed in March/ April 2010 by Prof. Dr.Chandra Madramootoo, President ICID; and Dr. Reza Ardakanian, Director, UNW-DPC.

UNW-DPC and ICID jointly developed a Framework of Cooperation between FAO/UNW-DPC/ICID for a side event at the 6th Asian Regional Conference to be held from 8-9 October 2010 at Yogyakarta, Indonesia. FAO's model "AquaCrop" shall be the focus. Case studies will be presented in a nutshell but with sufficient details so that readers learn to conduct such an application with AquaCrop. The proceedings will greatly help current and future AquaCrop users to run the model and to improve the crop water productivity in their environment.

The Chairman may apprise the members.

6.5 World Meteorological Organization (WMO)

The 15th Session of WMO Regional Association V (South West Pacific) was held from 30 April to 6 May 2010 at Bali, Indonesia. About 200 participants attended the session, including the Secretary General of WMO, President of the Regional Association, Vice Minister concerned from Indonesian Chief of Meteorological Unit of Indonesia and others. Vice President Dr. Hafied Gany represented ICID in the session as an observer.

Dr Gany/INACID representative may apprise the members.

Item 7 : Possibilities of developing cooperative arrangements with International Society of Paddy and Water Environment Engineering (PAWEES) and International Network of Water Environment and Paddy Fields (INWEPF)

The WG noted the activities of International Society of Paddy and Water Environment Engineering (PAWEES) and International Network of Water Environment and Paddy Fields (INWEPF) at the New Delhi (2009) meeting. The group encouraged members to publish their papers in the PAWEES Journal and possibly also participate in their annual conferences. The members noted that INWEPF has been studying the food security and poverty alleviation, sustainable water use and shared partnership. Accordingly, the Central Office invited (26 May 2010) all members of the WG for submission of their paper for its possible publication in the PAWEES Journal and also for participation in their annual conferences. Responses are awaited.

Chairman/ Dr. Kim Tai-Cheol may brief the WG about further progress during the meeting.

Item 8 : Asian Regional Task Force on Climate Change and Irrigation (ARTF-CC)

Vice President Shinsuke Ota, Chairman, ARTF-CC has requested (5 March 2010) all members of the Task Force to fill-up the case study format and return it to Japanese National Committee (JNC-ICID) latest by 31 May 2010. The Central Office also followed up and requested all members to expedite the filling up of the case study formats. Responses are awaited.

Vice President Ota (Japan) may apprise the WG about further developments during the meeting.

Item 9 : Feedback from the 5th Asian Regional Conference

On the occasion of 60th International Executive Council (IEC) meeting in the Diamond Jubilee Year, the 5th Asian Regional Conference (ARC) was held during 6-11 December 2009 at Vigyan Bhavan in New Delhi, India. The theme of the 5th Asian Regional Conference was *"Improvement in Efficiency of Irrigation Projects through Technology Up-gradation and Better Operation and Maintenance*". The 5th Asian Regional Conference was inaugurated by the Hon'ble Prime Minister of India Dr. Manmohan Singh in presence of a galaxy of other Ministers and Officials of his Government.

The papers received for 5th Asian Regional Conference were presented in 20 Technical Sessions. Attended by more than 700 participants with about 230 foreign delegates from 47 countries, the week long events assumed the same dimension as of congresses. During the event, six special sessions were also held adding value to the conference. A special postal cover marking the 'Diamond Jubilee year' (1950-2009) of ICID was released by the Government of India during the Closing Ceremony, a distinct honour to ICID. Proceedings of the conference are available with INCID/ CBIP (e-mails: iadcwc@yahoo.com, cbip@cbip.org).

INCID representative may further apprise the members.

Item 10 : 6th Asian Regional Conference

The Indonesian National Committee of ICID (INACID) is organizing the 6th Asian Regional Conference (ARC) from 14-16 October 2010 during the 61st International Executive Council meeting from 10-16 October 2010 in Yogyakarta, Indonesia. The Conference focuses on the theme *"Improvement of irrigation and drainage efficiency through participatory irrigation development and management under the small land holding conditions*" and papers will be presented and deliberated under five sub-themes of the Conference. The program and other details of the Yogyakarta events are available on Conference website http://www.icid2010.org

INACID representative may like to apprise further developments during the meeting.

Item 11 : 7th Asian Regional Conference, 23-28 June 2012, Adelaide, Australia

On the occasion of 63rd IEC meeting, the Australian National Committee will be organizing the 7th Asian Regional Conference (ARC) during 23-28 June 2012 at Adelaide, Australia. The theme of the 7th ARC is '*Regional Cooperation for Water and Food Security'.* The IAL-ANCID may propose sub-themes and/ or sub-topics for the 7th ARC for consideration.

The Central Office is in contact (20 May 2010) with Mr. Chris Bennett, Chief Executive Officer, Irrigation Australia Limited (incorporating ANCID) for more information on the conference.

Australian representative may apprise the members on the preparation and detailed planning of the 7th Asian Regional Conference.

Item 12 : Any other business

- **8th Asian Regional Conference, 2013, Turkey (TUCID's candidacy for 2013)**

The ICID Central Office has received (26 May 2010) a proposal from Turkish National Committee of ICID (TUCID) for hosting 64th International Executive Council (IEC) Meeting and 8th Asian Regional Conference (ARC) in 2013 in Turkey. Thai National Committee (THAICID) has also submitted its proposal to host the 64th IEC and 8th ARC in November 2013. Both the proposals will be considered in IEC as per 'rule of business'.

Representative of TUCID/ THAICID may apprise the members.

- **Online Learning Program**

Center for Sustainable Development (CSD), a non-profit organization, specializes in providing informational resources and training in best practices in humanitarian development to development professionals worldwide. CSD launched an Online Learning Program so that training courses will be accessible to a larger international audience. The Central Office circulated (16 February 2010) the information to all National Committees of Asia and Africa and requested them to get in touch with Tim Magee, Executive Director, CSD <Tim.Magee@csd-i.org> or visit the website http://www.csd-i.org/online-learning/ for more information.

- **Final review of Responsible Peatland Management Strategy**

The International Peat Society (IPS) is an international, non-governmental and non-profit organization dedicated to fostering the advancement, exchange and communication of scientific, technical and social knowledge and understanding for the wise use of peatlands and peat. The Central Office circulated (5 May 2010) the revised draft of the Strategy for Responsible Peatland Management (SRPM) received from IPS to all members of the WG. All members were requested to evaluate the strategy and submit their feedback indicating whether the strategy is endorsed / is not supported /is supported subject to named reservations, directly to Ms. Susann Warnecke <susann.warnecke@peatsociety.org>.

Annex [Appendix II, Item 3.1]

ASIAN REGIONAL WORKING GROUP (ASRWG)

Allocation of Asian and Oceania countries amongst Vice Presidents, ICID

Vice President	Name of countries allocated during the period 2009-2010				Total
	Active	Deemed inactive	Admitted but not paid subscription	New ones to be liaised	
Prof. Peter Kovalenko (Ukraine)	Israel Kazakhstan Uzbekistan	-	Azerbaijan Turkmenistan	Armenia Georgia	7
Dr. Hafied A. Gany (Indonesia)	Malaysia, Philippines Thailand, Indonesia	-	-	Cambodia Papua New Guinea	6
Dr. Illahi B. Shaikh (Pakistan)	Iran, Kyrgyzstan, Syria, Turkey, Saudi Arabia, Pakistan	Jordan, Lebanon, Tajikistan	-	-	9
Dr. Mrs. Samia El-Guindy (Egypt)	-	-	-	Kuwait, Oman United Arab Emirates	3
Mr. Shinsuke Ota (Japan)	China, Japan, Korea	-	Mongolia	DPR of Korea Laos Republic	6
Dr. Willem F. Vlotman (Australia)	Australia, Fiji	Vietnam, New Zealand	Yemen		5
Mr. A.K. Bajaj (India)	Afghanistan, Bangladesh, Chinese Taipei, Iraq, Myanmar, Nepal, Sri Lanka and India			Bhutan	9
Total	**26**	**5**	**4**	**10**	**45**

APPENDIX III [PCSPOA Item 12]

Agenda for the Fifth Meeting of the
SPECIAL WORK TEAM ON LAKE CHAD BASIN (ST-LCB)
Yogyakarta, Indonesia
11 October 2010: 09.00-12.30 hours

Year of Establishment: 2005 **Completion of the Mandate: 2011**

Mandate:

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

Members: (1) Vice President Hon. Engr. I.K. Musa, Chairman (Nigeria, 2007); (2) Engr. M.S. Adamu (Nigeria, 2005); (3) Dr. Sizwe Mkhize (South Africa, 2005); (4) Dr. H. Fahmy (Egypt, 2005); (5) Prof. Tom Franks (UK, 2005); (6) Vice President Hon. V.A. Dukhovny (Uzbekistan, 2005); and (7) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers: (i) ARID-RAID Representative; (ii) LCBC Representative; (iii) FAO Representative; (iv) IPTRID Representative; and (v) World Bank Representative.

Note: The 4th meeting of ST-LCB was scheduled to be held at New Delhi on 6 December 2009. However, due to absence of the Chair and scarce attendance of members, the meeting could not be held.

The 3rd meeting of the ST-LCB was held at Lahore on 14 October 2008. However, due to absence of Chair and other members, Secretary General M. Gopalakrishnan briefly discussed the agenda to the extent possible with the observers deferring major decisions and work plans for subsequent meetings.

An interim meeting of the ST-LCB was held at Sirte, Libya on 17 December 2008 on the sidelines of the FAO High Level Conference on "Water for Agriculture and Energy in Africa: The Challenges of Climate Change" held in December 2008.

The agenda for the 5th meeting includes all the main items of the previous meetings.

Website: <http://www.st-lcb.icidonline.org>

Item 1 : Confirmation of the minutes of the 3rd meeting held at Lahore, and Interim meeting held at Sirte, Libya

The minutes of the 3rd meeting held at Lahore on 14 October 2008 and that of interim meeting held at Sirte, Libya on 17 December 2008 will be confirmed at the meeting. The minutes of the interim meeting are shown as **Annex.**

Secretary General M. Gopalakrishnan has already responded to Chairman Engr. Musa in detail to the various issues brought out at the interim meeting.

ST will confirm the minutes of the last two meetings.

Item 2 : Membership of the Special Work Team

The Central Office has followed up with the active ICID National Committees belonging to the Lake Chad Basin to nominate their professional for the membership of the ST. In response, the Niger National Committee of ICID (ANID) had nominated Mr. Illiassou Mossi Maiga for the membership. Japanese National Committee (JNC-ICID) had nominated Prof. Dr. Tsugihiro Watanabe for the membership. However, both the nominations were deferred at Lahore/ New Delhi meetings.

Nominations of Mr. Mossi Maiga and Prof. Dr. Watanabe along with their CVs will be put up once again for consideration at the meeting.

As proposed at the interim meeting, Secretary General has extended the invitation to international organizations like African Development Bank, (AfDB), Canadian International Development Agency (CIDA) and United Nations Economic Commission for Africa (ECA) requesting to nominate a professional, preferably dealing with the Lake Chad Basin as a permanent observer on the ST, to enrich the exchange of information. Response is awaited. Agricultural Water for Africa (AgWA) representative was also invited to join the proceedings of the ST as an Observer.

Item 3 : Tenure of the Work Team

The tenure of the ST-LCB for completing its mandate was up to 2009. However, the ST at its Lahore meeting proposed to extend the tenure of the team for two more years in order to complete its ongoing activities effectively. The 59th IEC upon recommendation of the PCSPOA has approved the extension of the tenure of the Team up to 2011.

Item 4 : Formation of a broadbased ICID National Committee in each of the Lake Chad Basin countries

The Lake Chad Basin Commission comprises eight countries, namely, Algeria, Cameroon, Central African Republic, Chad, Libya, Niger, Nigeria, and Sudan. The ST recognized the need to have all stakeholder countries become members of ICID; and those who are member countries to organize broad basing of their National Committees. At Lahore meeting, Mr. Boubakari Mana volunteered to interact with as many countries with interest in Lake Chad Basin management to induct them as members.

The ST at its Sirte meeting, called on Lake Chad Basin Commission to assist in the effort to reactivate or establish National Committees in the Chad Basin countries. The Central Office has written to national Committees of Algeria (CNAID), Libya (LICID) and Sudan (SUCID) for their reactivation.

Applications of Chad and Cameroon for membership were accepted by IECs at previous meetings; however, both the countries are yet to pay their first subscription to formally effect their membership.

Central Office in July 2010 has received a letter from the Vice Minister, Ministry of Agriculture and Rural Development of Cameroon indicating their interest to pay the first annual subscription.

Chairman may like to brief further developments.

Item 5 : Co-operation with ICID Workbodies and International Organizations

5.1 ICID Workbodies

At Lahore, Secretary General has discussed with Mr. Maurice Roos (USA) about the status of preparation of the report of the Task Force on Inter Basin Water Transfer (TF-IBWT).

VPH Engr. I.K. Musa and Engr. M.S. Adamu were nominated to liaise with WG-CLIMATE and ST-ARAL (*now WG-IDSST*), respectively. There was no liaison report as both of them did not attend the past two meetings.

The ST will explore the ways and means to interact with relevant ICID workbodies.

5.2 International Organizations

At the Lahore meeting, Mr. Boubakari Mana, Permanent Observer of the TF-IBWT explained the contents of the paper on the LCB-IBWT Project. The ST-LCB had requested Mr. Mana to supply a draft document of the agreement underway for studies related to inter basin water transfer for Lake Chad. The interest of AgWA representative to join the ST as an Observer and participate was welcomed.

LCBC representative may like to apprise updates of the LCB-IBWT project.

Item 6 : To prepare an updated work plan of the Team

At its interim meeting held at Sirte, Libya, it was resolved that the presentations on the basin at Sirte be compiled into a report which would serve as tool for advocacy by ICID. Accordingly, a team comprising VPH I.K. Musa, Mr. Boubakari Mana, Mr. Mohammad Bila, and Mr. Chaibou Mahaman was formed to prepare the draft report. Subsequently, a draft report titled “Saving Lake Chad” as prepared by the team was received by the Central Office in March 2009. The Central Office has circulated the draft report among all members of the team for their comments/ observations. In response, VPH Victor A. Dukhovny while appreciating the contents of the documents has indicated to translate the report in Russian for the benefit of the Aral Sea Basin countries.

The inputs/ comments as received from the members will be incorporated in the report and will be tabled at the meeting. The team will explore the way and means to publish the final report.

The Chairman had proposed to organize a special session on “Oubangui-Lake Chad Water Transfer” on the sidelines of the 3rd African Regional Conference (AfRC) which was planned to be held in Abuja in 2009 and was subsequently cancelled by NINCID due to some unforeseen reasons. Since the 3rd AfRC has been rescheduled and will be held in Mali in September 2011, ST may like to organize the special session on the occasion.

The Team had proposed to prepare the draft work plan of the ST-LCB considering Lake Chad Basin as a case study within the framework of `Wide Irrigation Planning and Development’ of the region.

The team will evolve the work plan and spell out a practical schedule of completion of the activities by 2011.

Item 7 : Webpage of the Special Work Team

The website of the ST http://www.st-lcb.icidonline.org/ is fully functional. The website provides updated information on membership, agenda, minutes, presentation etc.

Members are requested to provide web links of recent documents/ articles related to LCB for their possible linkage/ posting on the webpage.

Item 8 : Any other business

Annex [Appendix III, Item 1]

INTERIM MEETING OF THE
SPECIAL WORK TEAM ON LAKE CHAD BASIN (ST-LCB)
Sirte, Libya
17 December 2008: 12.00-13.30 hours

Year of Establishment: 2005 **Completion of the Mandate: 2011**

Members: (1) Engr. I.K. Musa, Chairman (Nigeria, 2007); (2) Engr. M.S. Adamu (Nigeria, 2005); (3) Mr. Boubakari Mana; and(4) Secretary General, ICID.

Permanent Observers: (i) Dr. Adama Sangare, ARID-RAID Representative; (ii) FAO Representative; (iii) Engr. Bukar Wakil (Nigeria, 2005), LCBC Representative; and (iv) World Bank Representative.

Attendance: Mr. Mahaman Chaibu (LCBC), Mr. Dimbele Kombi (LCBC), Mr. Bila Mohammed GEF Coordinator (LCBC), Mr. Alex Momha (LCBC), Zanna Bukar Kolo Embassy of Libya., Dr. Salisu Abdulmuminu Nigeria, Engr. Uzoha Chinuka Nigeria, Engr. S.O. Ome Nigeria, and Mrs. T.Y. Adeneji Adele (Nigeria).

Item 1 : Membership of the Special Work Team

It was proposed to extend the invitation to African Development Bank, LCBC Regional Parliamentary Committee and the United Nations Economic Commission for Africa (UNECA) as well as other relevant international organisation to nominate a professional on the ST to enrich the exchange of information. Central Office was requested to invite them to nominate a member as a resource person for the special team, well in advance of the Abuja meeting.

Item 2 : Tenure of the Work Team

To enable the Special Work Team to complete its mandate by the end of 2009, it was resolved that the presentations on the Basin at Sirte be compiled into a report which would serve as tool for advocacy by ICID.

Accordingly, the Chairman of the Special Work Team was mandated to chair the drafting committee of three that comprise Engr. I. K. Musa, Mr. Boubakari Mana and Mr. Mohammad Bila. The draft report is expected to be circulated to members for their comments and input on or before 1st January 2009. Central Office was also requested to assist the ST with publication of the report by John Wiley Publishers.

Item 3 : Formation of a broad-based ICID National Committee in each of the Lake Chad Basin countries

The Lake Chad Basin Commission comprises six riparian countries, namely, Cameroon, Central African Republic, Chad, Libya, Niger, and Nigeria. Although, Algeria and Sudan are in the basin they are yet to join the commission.

All the countries were in attendance at the conference in Sirte, but only representatives from Nigeria, Niger and Cameroon responded to the short notice of invitation to the meeting. The ST recognized the need to have all the stakeholder countries become members of ICID and for them to organize broad based national committees; it was however noted that ICID as it is currently organized does little to encourage membership of African countries. ST resolved to call on the President of ICID to initiate activities to check the drift.

The ST called on Lake Chad Basin Commission to assist the ST in the effort to reactivate or establish National Committees in the Chad basin countries.

Item 4 : To exchange information on problems relevant to the Lake Chad Basin

It was decided that at World Water Forum in Istanbul, the report of the ST along with the documentaries on the Climatic Change in Lake Chad Basin and efforts made by the LCBC member countries should be publicized.

Member/ Permanent observers were invited to share information on any new initiatives/ research work being carried out by them or international organizations that they are aware of in the basin.

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

A draft four year work plan (2006-2010) of the ST was examined by considering Lake Chad Basin as a case study within the framework of 'Wide Irrigation Planning and Development' of the region.

At Sacramento, Engr. I K Musa, informed that a special session on 'Oubangui-Lake Chad Water Transfer' will be organized during the 3rd African Regional Conference (AFRC) scheduled to be held in Abuja in 2009, in collaboration with Nigerian National Committee (NINCID) and relevant ICID workbodies, besides TF-IBWT.

The team will firm up the work plan and spell out a practical schedule to complete the activities by 2009. Chairman will appraise the group about further updates.

Item 6 : Webpage of the Special Work Team

The ST noted that its website is yet to be created but some information on Lake Chad Basin was posted on the webpage of AFRWG <http://www.afrwg.icidonline.org/>. It was proposed that Mr. Muhammad Bila of LCBC should assist the ST with the design of its webpage and then request the ICID Central Office to finalize and post it on its website.

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 : Contribution to 5th World Water Forum

The topic of the Sirte Ministerial Conference "Water for agriculture and energy in Africa: The Challenges of Climate Change" aptly demonstrate the significant threat pose by global climate change to food security, especially for the poor resource based countries in the continent. Chairman reiterated his earlier invitation to all the members to contribute to the African perspective for the 5th World Water Forum to be held in Istanbul in March 2009 in addition to the documentation to be prepared by the ST.

He informed members that a special UN Task Force on Water and Climate has been established by the World Meteorological Organisation (WMO) under the aegis of UN-Water. Mr. A.C. Tyagi, Director at the Climate and Water Department of WMO as the coordinator. The ST noted that from ICID side, the Asian Regional Working Group (from the regional group side) and WG-CLIMATE (from the thematic side) were nominated as the relevant workbodies to contribute to the proposed task force. A member felt strongly, that ICID was increasingly marginalizing Africa, because clearly, Africa is the worst affected by climate change although it has contributed the least to carbon emitted to date, and wondered why the ST or African Regional Working Group were not nominated by ICID. All the members were encouraged to contribute to the discussion through the task force.

Item 8 : Any other business

The Executive Secretary of Lake Chad Basin Commission (LCBC) noted that ICID is not doing enough to make its African members active in its activities. He called for assistance to LCBC in propagation of information concerning its Basin problems particularly the effect of climate change which is being felt more in the basin than anywhere in the world. In particular, he solicited for ICID to assist LCBC in organizing a special session on LCBC in International fora particularly in the forthcoming 5th World Water Forum (WWF) in Istanbul. He invited ICID to nominate some experts for membership to the peer review committee for the Inter Basin Water Transfer from Oubangi to Lake Chad.

APPENDIX IV [PCSPOA Item 7]

Agenda for the Twenty-first Meeting of the
AFRICAN REGIONAL WORKING GROUP (AFRWG)
11 October 2010 : 13.30-17.00 hours
Yogyakarta, Indonesia

Year of Establishment: 1994

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

Members: (1) Dr. Adama Sangare, Chairman, 2009 (Mali, 2008); (2) Mr. Andrew Senewe, Vice Chairman (2009) (3) Engr. D.B. Madu, Secretary (Nigeria, 2008); (4) Ms. Raphaele Ducrot (France, 1999); (5) Mr. Makonnen Loulseged (Ethiopia, 2007); (6) Morocco representative; and (7) Secretary General, ICID.

Observers: (i) FAO Representative; (ii) World Bank Representative; (iii) IPTRID Representative (iv) Mr. Jean Syroganis Camara (Italy); (v) Mr. Adriado de Vito (Italy); (vi) Mr. Deric S. Mono (Zambia); (vii) Ms. Felicity Chancellor (UK); (viii) ARID Representative; (ix) SARIA Representative; and (x) AgWa Representative

Website: <http://www.afrwg.icidonline.org>

Item 1 : Confirmation of the minutes of the 20th meeting held at New Delhi

The minutes of the 20th meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

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

2.1 Membership of the Group

No new nominations were received for the membership of the Group.

Attendance of the members during the meetings held at New Delhi (2009) and at Lahore (2008) will be circulated at the meeting.

2.2 Membership of African Countries

At the 60th IEC, the application of Cameroon was accepted and admitted for the membership. Subsequently, the Vice Minister, Ministry of Agriculture and Rural Development vide their fax of 8 July 2010 has informed the Central Office that their representative could not attend the New Delhi event due to difficulties in getting the VISA. However, they have agreed to pay the annual membership subscription and asked the Central Office to provide ICID Constitution and Rules and regulation regarding payment of subscription as well as details of bank. Accordingly, the Central Office on 13 July 2010 has sent the documents (*in French*) by both post and by e-mail and also the Bank Account details to the Ministry.

Central Office while appreciating the Ministry's efforts to join ICID has requested the Ministry to arrange to pay the first annual membership subscription (US$ 1380) for the year 2010 so as to formally effect their membership. Response is awaited.

Presently in the Africa Region, there are only 8 active member countries, 15 deemed to be inactive countries, and 5 countries were admitted but have not paid their subscription. The details are shown below:

Active (Year of Joining)	Deemed to be inactive (Year of Joining) (Year of becoming inactive)	Admitted but not paid subscription (Year of Admission)
1. Egypt (ENCID) (1950) 2. Ethiopia (ETCID) (1976) 3. Mali (AMID)(2005) 4. Morocco (ANAFIDE) (1959) 5. Niger (ANID) (2007) 6. Nigeria (NINCID) (1970) 7. South Africa (SANCID) (1993) 8. Zambia (ZACID) (1966)	1. Algeria (CNAID) (1965) (1999) 2. Angola (ANGCID) (1978) (1994) 3. Ghana (CHANCID) (1958) (1982) 4. Ivory Coast (IVCID) (1969) (1982) 5. Kenya (KENCID) (1977) (2003) 6. Libya (LICID) (1988) (2000) 7. Madagascar (MADCID) (1983) (1986) 8. Malawi (MILCID) (1967) (2004) 9. Mozambique (MOCID) (1978) (2006) 10. Senegal (SENCID) (1966) (1992) 11. Sudan (SUCID) (1964) (2003) 12. Tanzania (TANCID) (2000)(2006) 13. Tunisia (TUNCID) (1960) (1993) 14. Uganda (UGCID) (1963)(1983) 15. Zimbabwe (ZICID) (1955)(2001)	1. Burkina Faso(BURCID)(2000) 2. Cameroon (2009) 3. Chad (ATID) (2003) 4. Mauritius (MAUCID) (1992) 5. São Tomé and Príncipe (SAOCID) (1985)

At the New Delhi meeting, the Group suggested to reconsider the membership fees to encourage the African countries to join ICID and also that the Central Office to extend communication to the non-member countries to keep them abreast of ICID activities.

The Central Office had corresponded with the National Committees of Algeria (CNAID), Angola (ANGCID), Ghana (GHANCID), Ivory Coast (IVCID), Kenya (KENCID), Libya (LICID), Madagascar (MADCID), Malawi (MILCID), Mozambique (MOCID), Senegal (SENCID), Sudan (SUCID), Tanzania (TANCID), Uganda (UGCID) and Zimbabwe (ZICID) for their reactivation.

Mr. Harold Adlai Agyeman, Acting High Commissioner and Minister-Counselor/ Head of Chancery, Ghana High Commission visited the Central Office on 2 June 2010. Secretary General, ICID made a presentation highlighting ICID's key activities and initiatives, the advantages and benefits for member countries, and recent publications. Mr. Agyeman was impressed with the task undertaken by ICID and the advantages that member countries gain by active participation. He lauded ICID's role in ensuring 'Global Food Security', its contributions in achieving Millennium Development Goals (MDGs) aimed at halving the hungry population around the globe by 2015. The High Commissioner gave assurance for the reactivation of Ghana National Committee of ICID (GHANCID).

The Central Office has also written to Botswana, Guinea, Mauritania, Namibia, Swaziland, and Somalia by inviting them to join ICID membership network.

Countries of Burkina Faso, Chad and Mauritius whose membership application had been accepted by IECs at previous meetings, have been requested to pay their membership subscription to formally effect their membership. The Central Office had apprised the VP in charge of the region of these efforts so as to facilitate `follow-up' action from their side.

The Working Group may like to discuss way and means not only to reactivate/ bring in more African countries in ICID fold but to push forward its agenda to give impetus to ICID's `Preference for Africa' .

CONTINUING ITEMS

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

3.1 Report of the Southern African Regional Irrigation Association (SARIA) Workshop, February 2009

Southern African Regional Irrigation Association (SARIA) was established as a developmental, professional, educational and voluntary regional organization, dedicated to enhance the South African Development Community (SADC)'s regional food security by improving water and land management. SARIA country members include: South Africa, Botswana, Swaziland, Lesotho, Namibia, Malawi, Zambia, Zimbabwe, Tanzania, Madagascar, Mauritius, Mozambique, and the Democratic Republic of Congo. The Mission of SARIA is to enhance research, training and development of appropriate science and technology in irrigation and drainage for gender-balanced poverty eradication and economic development to improve the livelihoods of the inhabitants of the SADC region of Africa.

SARIA held a symposium and the steering committee meeting on 16–18 February 2010 at Bloemfoemtein. The theme of the symposium was "Best Management Practices and for Sustainable Smallholder Irrigation development and other aspects of Small-scale Irrigated Agriculture". The purpose of the symposium was to promote the exchange of ideas and practices between researchers, advisory agents and government officials from the SADC countries with regard to smallholder irrigation. Participants included SARIA representatives from 10 SADC countries. Each country representative presented a paper on certain aspects of smallholder irrigation. In addition, discussions on rainwater water harvesting and conservation (RWH&C) practices continued from the previous workshop held in February 2009. A tour of the Lesotho Highlands Water Project (Mohale dam) was also organized. A CD-ROM of the proceedings will be distributed at the meeting.

Dr. Andrew Sanewe, Chairman, SARIA may like to provide key highlights/ recommendations of the symposium at the meeting.

3.2 3rd African Regional Conference, Mali, 2011

59th IEC held at Lahore in 2008 had approved hosting of the 3rd African Regional Conference by Mali National Committee (AMID). At the New Delhi meeting Dr. Adama Sangare and Mr. Abdoulaye Dembele of AMID reported about the preparations for the Conference and said that event will be held in September 2011.

Central Office has followed up with the AMID to provide details of the administrative and financial aspects of the event for presentation at the Permanent Finance Committee meeting to be held at Yogyakarta. Dr. Adama Sangare vide his e-mail of 20 May 2010 has informed the Central Office that the 3rd General Assembly meeting of the Association Malienne des Irrigations et du Drainage (AMID) has nominated new Office-Bearers of AMID - Dr. Adama Sangare as the President, Mr. Seydou Bassie Toure as the Vice President and Mr. Paul Coulibaly as the Secretary General. He has also informed that the process towards organization of the event was in progress and the detailed information about the event would be provided to the Central Office after consultation with the Mali Ministry of Agriculture. Response is awaited.

Chairman Dr. Sangare will apprise updates on various preparations for the 3rd African Regional Conference.

Item 4 : Three-year work plan of the Group

Three-year work plan of the Group could not be discussed due to scarce attendance of members at the New Delhi meeting. The Chairman and Vice Chairman proposed to postpone the discussion for the Yogyakarta meeting and requested all members, ARID, SARIA, IMAWESA and representatives of other African Organizations to provide their ideas/ activities to him well in advance of the next meeting to formulate a framework of activities within the mandate of the WG.

The WG will discuss and prepare a three year work plan (2010-12) considering the ongoing activities and likely future tasks.

Item 5 : Cooperation with other Working Groups and International Organizations

5.1 ICID Working Groups

During the New Delhi meeting, the Group agreed on the decision about members to serve as liaison persons on related ICID workbodies for effective exchange of information and collaboration.

It was proposed that Dr. Sanewe, Chairman, SARIA would act as a liaison person to Special Work Team on Lake Chad basin (ST-LCB); while Chairman Dr. Sangare, will liaise with Working Group on the Role of Irrigation in Poverty Alleviation and Livelihood (WG-POVERTY). Chairman will also nominate a member to liaise with Asian Regional Working Group.

Liaison persons will present their report at the meeting.

5.2 Focus on Africa

At the New Delhi meeting, the Group appreciated the recommendation of the 'Special Committee of the PCSPOA' - to strengthen ICID Focus on Africa by increasing its share of activity in Africa and by developing a real "Preference for Africa" program with the aim to increase its visibility and its added value to African professionals. One of the possibilities suggested was 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.). The WG however, reiterated the priority action that more African National Committees need to become active by contributing to WG activities. Central Office was requested to facilitate contact between National Committees and donors for supporting their activities.

Central Office has rigorously communicated with all the inactive National Committees for reactivation as well as new countries for joining ICID (please see item 2.2). However, responses are yet to be received.

5.3 Agriculture Water Partnership (AgWA)

Initiative for Agricultural Water in Africa (AgWA) is a partnership of African and international organizations with a common interest to support re-engagement in Agricultural Water Management (AWM). The AgWA was launched with the partnership of AfDB, IFAD, FAO, NEAPD, ICID, IMAWESA, IWMI and WB on the occasion of the Africa Ministerial Conference in Sirte in December 2008.

A meeting of AgWA was hosted by the African Development Bank during 23-24 March 2010 at Tunis. The objectives of the meeting were to forge strong connections with the operationalization of CAADP Pillar 1, to contribute to the finalization of the AgWA work plan 2010-2011, and the transition of the governance of AgWA from its current interim arrangements. The meeting was co-chaired by Mr. Mbogo Futakamba, Ministry of Water and Irrigation, and Secretary General of the Tanzanian National Committee of ICID (TANCID).

President Hon. Peter Lee (UK) and Dr. Adama Sangare (Mali) participated and represented ICID in the meeting. PH Lee prepared a brief 'Re-engaging Agricultural Water Management (AWM) in Africa – Potential Contribution of ICID to AgWA' for consideration of the organizers (**Annex**). A draft work plan (2010-11) based on the recommendations made at the meeting has been prepared by the AgWA Coordinator. ICID is identified to contribute to the AgWA activities through its knowledge sharing component.

Central Office has circulated the following documents among members and all National Committees of Africa as received from Ms. Andy Bullock, AgWA Coordinator, from time to time:

- AgWA Country Support Tool, Draft Final Report- by Andy Bullock, July 2010
- Final version of the AgWA work plan (2010-11)
- The Initiative for Agricultural Water in Africa (AgWA) - Briefing Note
- AgWA Partnership Document-- by Melvyn Kay and Henri Tardieu
- Preliminary AgWA workplan 2010-2011 tabled for discussion at AgWA Partners Meeting held at Tunis from 23-24 March 2010

- Background Note on Advancing Governance of AgWA tabled for discussion at AgWA Partners Meeting held at Tunis from 23-24 March 2010
- Summary Report on the AgWA Partners Meeting, 23-24 March 2010, Tunis, Tunisia

The Central Office has published an article “Re-engaging Agricultural Water Management (AWM) in Africa” in the ICID News (2010/2 issue) and can be accessed at http://www.icid.org/icidnews_10_2.pdf

Members of the WG and National Committees of Africa Region are requested to provide their comments/ suggestions to strengthen ICID collaboration with the AgWa with a view to evolve some common action.

5.4 UNW-DPC Workshop on AquaCrop, March 2010, South Africa

An International Workshop on ‘Capacity Development for Farm Management Strategies to Improve Crop-Water Productivity using AquaCrop’ was held on 1-5 March 2010 at Bloemfontein in South Africa. The workshop was organized by UN-Water Decade program on Capacity Development (UNW-DPC) and Food and Agriculture Organization (FAO). Thirty-three participants representing institutions from Zimbabwe, Malawi, Cameroon, Ghana, Tanzania, Mozambique, Lesotho, Mauritius, Zambia, and the host country South Africa attended the training workshop.

Participants were trained in the practical applications of AquaCrop, the new crop-water productivity model recently developed by FAO, which focuses on simulating the attainable yield in response to water, which is the key driver for agricultural production. Some select case studies showcasing best practice on trainings using AquaCrop will be presented at the UNW-DPC-FAO-ICID Workshop scheduled to be held at Yogykarta, Indonesia on 8-9 October 2010 under the Frame Work of Cooperation (FOC) between ICID and UNW-DPC.

5.5 Other International Announcements/ Initiatives

Central Office has circulated the following announcements/ documents among the member countries of the Africa and members of the AFRWG, as and when received.

- **Africa Agriculture and Food Security 2010 Conference and Expo, Durban, South Africa**

A conference and expo on the topic "Sustainable Agriculture for Improved Food Security in Africa: Investing in people and livelihoods" is scheduled to be held from 21-23 September 2010 at Durban ICC, South Africa. Over 2500 delegates representing agro companies, local government ministries, heads of state, partners in development, academic research institutions, civil societies and community leaders, agricultural societies, subsistent & commercial farmers are expected to attend. Private sector companies will also attend to discuss effective Public-Private Partnership opportunities so as to minimize food insecurity in Africa. This meeting has been specifically designed to address the impacts, strategies, best practices and new methodologies for resolving food insecurity in Africa through sustainable agriculture, agricultural innovation, knowledge management and knowledge sharing. More information about the event can be accessed at http://www.africagri.com.

- **1st Africa Agriculture and Water Dialogue – Cape Town South, Africa 2011**

The Central Office has received a letter from the 1st Africa Agriculture and Water Dialogue inviting ICID to be a partner for its Dialogue scheduled to be held in Cape Town, South Africa in 2011. The theme of the dialogue is “One voice for Africa’s sustainable agriculture water management”. This dialogue is a major collaboration between various institutions such as CAADP, NPCA and Ikapa media as the official event organizer. The aim of the dialogue is to converge all those organizations that have an interest in Agricultural Water Management in Africa, with an expected outcome towards creating an effective mechanism that pools their efforts into a systematic process of working from one platform to improve agriculture productivity and access to water. More details can be accessed at <www.ikapamedia.co.za>.

The following reflects some key items forming the knowledge base:

- Report and Recommendations on Strengthening the Institutional Architecture for Promoting Agricultural Water Management in Africa Douglas J Merrey (dougmerrey@gmail.com), AWM Institutions Draft 2, 16 MARCH 2010

- Summary Report of the 15th African Water Association's Congress held on 15-18 March 2010 in Kampala, Uganda
- Business Alliance against Chronic Hunger – A public-private partnership managed by the World Economic Forum; www.weforum.org/hunger or contact hunger@weforum.org
- Business Solutions for Sustainable Food Production – The World Economic Forum's work to address hunger and global food security, World Economic Forum; www.weforum.org/hunger or contact hunger@weforum.org
- IFPRI Discussion Paper 00993, June 2010 "What is the Irrigation Potential for Africa? – A combined Biophysical and Socioeconomic Approach" by Liangzhi You, Claudia Ringler et al. of Environment and Production Technology Division, International Food Policy Research Institute
- The brochure of Business and Water Conference held from 25-26 February 2010 at Gauteng, South Africa. Contact: mogorosicom@gmail.com
- The African Food Crisis Response (AFCR) of the African Development Bank Group; http://www.afdb.org/fileadmin/uploads/afdb/Documents/Policy-Documents/The%20Africa%20Food%20Crisis%20Response.pdf
- Hydropower Africa 2010. Contact: Mario Haddon (mario.haddon@spintelligent.com) or visit: www.esi-africa.com/hpa

Item 6 : Publicizing Working Group's activities through a Newsletter and Other International Publications

During the New Delhi meeting, the Chairman urged all members to contribute information/ article so as to bring out `AFRWG newsletter'. The Newsletter can include information about AgWA, SARIA, ARID and National Committees in Africa etc. The Chairman nominated the Chairmen of ARID and SARIA to compile/ edit and prepare the WG newsletter on regular basis. The Central Office will assist in wider dissemination of the Newsletter.

Item 7 : Webpage of the AFRWG

AFRWG webpage http://www.afrwg.icidonline.org/ is active and contains lot of information for members to make good use. The Central Office has posted some documents and many useful links to the webpage. All members are requested to provide other information/ web links related to WG activities for posting on the webpage.

Item 8 : Report of the Task Force for Identifying Priority Issues for Least Developed Countries (LDCs) in Africa

With the finalization of the TF report, the 20th meeting of the Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA) held at New Delhi has advised to finalize the TF Report and close the Task Force.

Central Office has compiled the earlier versions of the draft reports and brought out a final version. The document will be circulated among all members and will be tabled at the meeting.

Item 9 : Any other business (with permission of the Chair)

Annex [Appendix IV, Item 5]

RE-ENGAGING AGRICULTURAL WATER MANAGEMENT (AWM) IN AFRICA: POTENTIAL CONTRIBUTION OF ICID TO AgWA
By
(President Hon. Peter S Lee)

ICID stands for "managing water for sustainable agriculture" and in 2007 declared a "Preference for Africa", relevant to the AgWa objectives and the five "product lines" being targeted by the Collaborative Group (NEPAD, WB, AfDB, FAO and IFAD) under CAADP.

1. ICID's 'Preference for Africa' is manifested by its relationship with the two region groupings of Africa countries: ARID and SARIA, which extends the ICID network in Africa well beyond that defined by formally active countries (which it would like to work with AgWa to extend).

2. ICID's promotion of "broadbased" national committees each constituted according to the countries wishes provides a flexible model for bringing together the various interests in AWM in each country, facilitated by a regional and international context that could now include AgWa's activities.

3. ICID has an active Africa Regional Working Group and task forces on LDCs in Africa and on Lake Chad Basin, and a series of regional conferences that can contribute to the advocacy and exchange of knowledge components of AgWa:

   - 2nd African Regional Conference, Johannesburg Nov-07 (completed)
   - 3rd African Regional Conference, Mali, 2011 (confirmed)
   - 4th African Regional Conference, Egypt, 2013 (proposed)

4. The ICID Task Force on Poverty Alleviation and Livelihoods brings together worldwide interests in improving the livelihood enhancement of AWM, particularly in relation to Africa. It is the focus of ICID promotion of "multiple use" of water services and infrastructure to extend the benefits of AWM to the landless poor.

5. ICID can help AgWa find voice at the 5th Forum, primarily through its coordination of the important topic "water and food for ending poverty and hunger" and through its involvement in other Forum processes relevant to AgWa.

6. ICID recognises that countries outside Africa have much to contribute to the AgWa objectives (most notably China and Brazil) and encourages them through their national committees to do so. ICID's WatSave Awards, top-ten technologies and support for IPTRID all contain strong advocacy for Africa's achievements and future needs.

7. ICID has a central involvement in IPTRID and its network, and supports the creation of IPTRID hub/s in Africa focusing on small scale irrigation and other technologies relevant to Africa.

8. ICID provides the secretariat for IWALC that brings together professional associations in water resources and use, which provides for potential bridge building between AgWa and professional interests in groundwater, dam-building, hydropower, bio-energy, urban water supply and water transport.

ICID is committed to support AgWa, and has common interest in advocacy and knowledge sharing in AWM and strengthening AWM networks in Africa.

APPENDIX V [PCSPOA Item 11]

Agenda for the First Meeting of the
WORKING GROUP ON 'IRRIGATION AND DRAINAGE IN THE STATES UNDER SOCIO-ECONOMIC TRANSFORMATION' (WG-IDSST)
[Erstwhile Special Work Team on Aral Sea Basin (ST-ARAL)]
Yogyakarta, Indonesia
11 October 2010 : 13.30-17.00 hours

Year of Establishment: 2009 **Completion of the Mandate 2015**

Mandate:

- to develop and strengthen the network among the countries of transition;
- to organize monitoring and evaluation of common problems in the States that belong to transition economy;
- to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population;
- to summarize the experiences in overcoming negative tendencies in organizing public-private partnerships, implementation of IWRM and broad-basing of stakeholder;
- to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Caspian Sea), salinization and water logging, etc.;
- development of appropriate advance irrigation and drainage technology in transition states and its dissemination through capacity building;
- to promote farmer's training to create awareness about irrigated and drainage agriculture.

Members (*including erstwhile members of ST-ARAL*)**:** (1) Vice President Peter Kovalenko, Chairman (Ukraine, 2009); (2) Vice President Hon. Victor A. Dukhovny, Vice Chairman (Uzbekistan, 2009); (3) Mr. John Osterberg (USA, 2009); (4) Prof. Dr. N. Hatcho (Japan, 2009); (5) Engr. M.S. Adamu (Nigeria, 2009); (6) Acad. Boris Kizyaev (Russia, 2009); (7) Mr. Ron W. Coley (Canada, 2009); (8) Mr. M. Falciai (Italy, 2009); (9) Mr. Bernard Vincent (France, 2009); and (10) Secretary General, ICID.

Permanent Observers: (i) Prof. Daene C. McKinney (IWRA); (ii) Representative of IPTRID (FAO); and (iii) World Bank representative.

Website: <http://www.cawater-info.net>

Item 1 : Confirmation of the minutes of the 16th meeting (last) of ST-ARAL

The minutes of the 16th meeting (last) of ST-ARAL held at New Delhi in December 2009 will be confirmed.

Item 2 : Review of the membership of the Working group

{Vice President Hon. Victor Dukhovny, Vice Chair, WG-IDSST (in an e-mail of 30 June 2010) has informed his inability to participate in the Yogyakarta meeting due to some constraints}

To begin with, the working group intends to retain the erstwhile WG members (ST-ARAL) subject to confirmation from their respective National Committees. Fresh nominations from other NCs for the new WG are being solicited. The Central Office had invited (1 July 2010) nominations for the new WG from all National Committees. Central Office also requested the NCs/existing members to confirm their membership.

2.1 New nomination

In response, the Uzbek National Committee (UzNCID) has nominated Mr. Ernazarov Nazimjon (Uzbekistan) for the membership of the Working Group. However, the Annex 1 "Excerpts of provisions for membership and tenure of workbodies" of Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA) held at New Delhi on 8 December 2009 says that –

"For a wider representation of countries in a workbody, not more than one membership from one country should normally be maintained. (However in the 56th 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)."

In view of above, the nomination of Mr. Ernazarov Nozimjon Sheralievich could be considered as *an observer*.

The CV of Mr. Ernazarov Nazimjon will be made available during the meeting for consideration.

2.2 Existing membership

The Japanese National Committee (JNC-ICID) has confirmed (21 July 2010) the nomination of Prof. Dr. N. Hatcho (Japan) for the membership of the new Working Group.

The Netherlands National Committee (NETHCID) has withdrawn (13 July 2010) their nomination (2009) of Dr. Kai Wegerich from the membership.

The Working Group may note.

To involve as many professionals as possible, it has been proposed to include Central, East European and Asian countries (Poland, Germany, Lithuania, Latvia, Estonia, Romania, Hungary, Slovakia, Bulgaria, Slovenia, Moldova, Belorussia, Croatia, Georgia, Azerbaijan, Armenia) in the newly formed ICID Working Group on Irrigation and Drainage in the States under Socio-economic Transformation (WG-IDSST). The Chairman of the WG Dr. Peter Kovalenko has sent a letter to all these National Committees and invited their representatives to apply for membership of the WG-IDSST attaching the draft mandate (**Annex 1**) and an action plan (**Annex 2**) of the WG.

Those countries (in the region), which are not members of ICID have also been invited to join the WG-IDSST but they would have to apply for the membership of ICID by sending the necessary application to the Central Office of ICID. The WG may facilitate this process.

2.3 Secretary

A Secretary is to be nominated/elected during the meeting[1].

NEW ITEMS EMERGING FROM THE NEW MANDATE

The Central Office requested (1 July 2010) the Chairman/ Vice Chairman to initiate actions on the agenda items of the Yogyakarta meeting. Response is awaited.

Item 3 : Develop and strengthen the network among the countries of transition

To develop and strengthen the network among the countries under socio-economic transformation, the following actions are proposed to be discussed during the 1st meeting of WG-IDSST:

- forming the core executive team of the WG on the basis of the Ukrainian and Uzbek National Committees of ICID to establish permanent communications between the Chairman, the Vice Chairman and the

[1] For nomination of the Secretary , the Chairman Dr. Peter Kovalenko and the Vice - Chairman Dr. Victor Dukhovny have proposed the candidature of Dr. Olga Zhovtonog (Ukraine) who is a member of Ukrainian National Committee of ICID (UACID) having a long-term experience in international scientific cooperation, including the ICID activities. Dr. Zhovtonog occupies the position of a Secretary of European Work Team on Sustainable Irrigation Management. Normally, each NC can propose only one member as mentioned in 2.1 above and hence her status in the WG could be an observer/ Secretary.

Secretary of the WG as well as with the most active members of the group for the strategic planning of WG activities;

- establishing permanent communication links by email and an Internet portal between the WG members and other interested parties;
- exchanging the information concerning the fields of activities of members' organizations and results of their most interesting and significant past and current, both local and international projects, activities and publications;
- analyzing and identification of the common and specific problems in irrigation and drainage sphere by comparison of transformation processes and current situations in the countries which have already passed or still are under the influence of socio-economic transformation processes. With that goal in view, a questionnaire for monitoring and evaluation of the problems in the sphere of irrigation and drainage has been formulated (see item 4); and
- to develop a proposal for implementation of a small project with regard to the capacity building of the WG activities, which is supposed to consist of an analytical information part and organization of WG workshops. The workshops may be combined with one of the European ICID events in March or May 2011, when the 24th and 25th European Conferences of ICID will be held in France and in the Netherlands. The expected results of the project will be a consolidation of networking activities within the WG and drafting the proposal for a larger joint project. The draft proposal for the small project on the capacity building will be presented by the Chairman Peter Kovalenko during the meeting.

Item 4 : Monitoring and evaluation of common problems in States with transition economy

With the purpose of monitoring and evaluation of the current situation in member countries and identification of common and specific problems, a draft questionnaire will be formulated by the Ukrainian National Committee (UACID) and presented during the meeting in Yogyakarta to get reasonable remarks and a final approval later. The first draft of the questionnaire will be sent to all participants of the meeting and other interested NCs for getting their remarks and suggestions. After collection and analysis of filled-in questionnaires, a special document with the description of comparative analysis of the requested data will be done in the course of the small WG project (see Item 3) and further presented at the WG workshop during the European ICID events in spring 2011.

tem 5 : Create database on Irrigation and Drainage in the countries of transition

For the WG database, the opportunity of establishing a joint project will be discussed taking into account the experience of the CAREWIP project and other international projects. The timeline for a project proposal preparation and composition of the Work Team will be discussed. The first draft of the project proposal can be discussed during the WG workshop or meeting which will take place during the European ICID events in spring 2011.

Item 6 : Develop public-private partnerships and implementation of IWRM

A discussion on good practices of public- private partnership in the sphere of irrigation and drainage and within the IWRM projects in different countries will be organized. The process of identification and analysis of the most efficient economical and organizational tools and approaches on PPP will be organized and used later for developing Guidelines or general WG publications. The experiences from developed and developing countries are welcome. For this purpose, the Chairman will liaise with other ICID Workbodies.

Item 7 : Identify and monitor problems (ecological situation) of closed basins

The Aral Sea basin countries' experiences will be taken as background information to start discussion on the problems in different 'closed basins' which have national or international significance in different European and Asian countries. During the discussion, the list of possible hot spots having ecological problems typical for 'closed basins' will be set up. The information base and the analysis criteria for such basins will also be discussed.

Item 8 : Development of appropriate advanced irrigation and drainage technologies

The following strategic questions will be brought to fore during the discussion:

- innovations in water and energy saving technologies;
- integration of GIS, modeling and land survey in new type of DSS for water management in irrigation and drainage and evaluation of its efficiency;
- technologies for intensive and extensive irrigation; and
- advanced constructions, materials and technologies for watering.

The Chairman and Vice Chairman will liaise with the other ICID Workbodies for better information on modern technical and technological advantages existing around the world. The issue of the most appropriate technologies for a particular country or situation will be discussed and later included in the future WG activities.

Item 9 : Create awareness about irrigated (drained) agriculture (capacity building)

The worldwide available capacity building methodologies and tools will be discussed with the purpose of their implementation on international, national and local levels (international and national dialogues, regional platforms, development of advisory services, role of NGOs, methodology on involving stakeholders, development of water governance, training facilities etc.) to select the most suitable approaches for the conditions of transition countries in view of their specific cultural and socio- economic features.

Involvement of young professionals (YP) in the WG activities will also be discussed during the meeting. A second representative from the NCs could be an YP, as approved in 57th IEC. It is advisable to look for an opportunity to organize an international summer school for the YPs involved in the WG activities.

Item 10 : Any other business

- **UNESCO Water Portal Newsletter No.232**

Recently UNESCO has released its Water Portal Newsletter No.232: Uzbekistan – The Aral Sea Basin. In the arid climate of the Central Asia, water is the key factor for development. In this region thawed snow and glacial water contribute significantly to the formation of water resources. The study supported by UNESCO's Participation Programme identified that Glaciers system in the Northern Slope of the mountain region of Zailiyskiy Alatau decreased at an average rate of 0.85% per year from 1956-1990. There are very few studies that attempt to predict the development of the glacier system. The lack of a monitoring system in Central Asia is responsible for inadequate information on glacier mass dynamics. This is a critical problem in the region, since glaciers are key indicators of global climate change. There is practically no monitoring system in place, for instance, for snow cover in the high-mountain belt above 3000–3200 m, even though this is where about half of snow is concentrated, according to research supported by the UNESCO's Participation Programme. The study was helpful to raise awareness and to better understand global change impacts on glacier, snow and water resources in the region. More information is available at <http://www.unesco.org/water/news/newsletter/232.shtml>.

The Central Office has circulated (20 May 2010) the above information to all the members of the WG for their perusal.

- **Lower Danube Conference**

An International Conference on '*Geographical Research and Cross-Border Cooperation within the Lower Basin of the Danube'* will be held during 23-26 September 2010 at Craiova, Romania. The Conference is organized by the Geography Department of the University of Craiova and the West University of Timisora, Romania. More information is available at <http://forumgeografic.ro/events/>.

The Central Office has circulated (15 June 2010) the information to all the members of the WG.

Annex 1 [Appendix V, Item 2.2]

WORKING GROUP ON 'IRRIGATION AND DRAINAGE IN THE STATES UNDER SOCIO-ECONOMIC TRANSFORMATION'
[Erstwhile Special Work Team on Aral Sea Basin (ST-ARAL)]

Background

The principal goal of the new Working Group on Irrigation and Drainage in States with Transition Economy is to facilitate a single platform of National Committees of ICID that belong to States characterized by transition economy, in overcoming certain mutual problems in Irrigation and Drainage.

It is well known that after the splitting up of former USSR States that were included in Warsaw collaboration or Soviet Union went through very difficult times to overcome the problems connected with changing economic, political and social situation, especially in rural area during the past 2 decades. These are characterized by some common features such as:

- reduced size and direction of government subsidy to agriculture, water management, irrigation and drainage;
- lack of investment not only in development of Irrigation and Drainage, but also in sustainability of these networks; and
- lack of States' attention to Irrigation and Drainage.

As result, in all these States, one can recognize that there is a:

- reduction of irrigated area (it was 12 Mha or 5% of global irrigated area);
- significant loss of organizations responsible for supporting infrastructure of irrigation and capacity building in water management;
- failure of Irrigation and Drainage science; and
- lack of interest of young professional in Irrigation and Drainage.

Goal: to promote innovative approaches and necessary instruments to provide sustainable irrigation and drainage management within IWRM plans and RD projects in the countries of transition.

Mandate

- to agree concerning the organizational and management structure of the working team;
- to develop and strength a network among the countries of transition;
- to organize monitoring and evaluation of common problems in the States that belong to transition economy;
- to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population;
- to summarize the experiences in overcoming negative tendencies in organizing public-private partnerships, implementation of IWRM and broad-basing of stakeholder;
- to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Caspian Sea), salinization and water logging, etc.;
- development of appropriate advance irrigation and drainage technology in transition states and its dissemination through capacity building; and
- to promote farmer's training to create awareness about irrigated and drainage agriculture.

Proposed activities

- organizing conferences and workshops;
- development of web portal similar to 'CAREWIB portal' and Russian website www.cawater-info.net; and
- produce publications/ proceedings.

Long-term perspective of activity

- to create enabling environment for effective scientific cooperation and cross policy coherence on irrigation and drainage issues within IWRM on catchments scale;
- to develop long term vision on future role of irrigation and drainage in the countries of transition to overcome poverty, provide food security and environmental sustainability on the basis of water scenario development on local and regional level;
- to integrate irrigation and drainage management with IWRM plans at river basins levels and RD projects;
- to develop agro environmental measures within the projects on irrigation and drainage together with the measures for long-term protection of water resources and sustainable agro-landscapes; and
- to develop new mechanisms and tools to implement investment projects in irrigation and drainage restoration and development by using advanced water and energy saving technologies, economic and policy instruments.

All countries with transition economy are invited to join sub- teams according to their priorities and capacities.

Tenure

- six years (2009-2015)

Annex 2 [Appendix V, Item 2.2]

ACTION PLAN
WORKING GROUP ON 'IRRIGATION AND DRAINAGE IN THE STATES UNDER SOCIO-ECONOMIC TRANSFORMATION'
(2009)

To start the activities of WG, the following actions are proposed:

1. Working Group set up

1.1. Disseminate information about establishment of the Working Group among the appropriate ICID members with invitation to apply for membership to the ICID Central Office and ask for opinions

1.2. To improve working plan according to the responses from potential participants

2. Collection of information/data about current situation on various aspects

2.1. To develop questionnaire on current problems of irrigation, drainage systems and environment; state of policy; legal, institutional and technical developments in water management; economical situation, science and education

2.2. To create common methodological approach to establishment an electronic data base and organize a forum for exchange of information and opinions

2.3. Regular evaluation of the information in the data base including ongoing and finished projects in connection with mandate of the WG

3. Development of special web-page of the WG on the Russian portal of CAREWIB

4. Formulation and implementation of joint projects

4.1. To make assessment of existing research gaps and best practices;

4.2. To formulate ideas for joint projects to strengthen the situation in water management with focus on integrated water management;

4.3. To organize dialogue for preparation of recommendations for water governance and policy making tools; and

4.4. Project development based on stakeholders dialogues and their associations.

5. Vision for future development

5.1. To establish an analytical sub-group for the permanent follow up and monitoring of working plan development

5.2. Overview of the national documents in connection with future development of water management, e.g. adaptation strategies to climate change, national communications for UNFCCC and UNCCD etc

5.3. Synthesize the national inputs

5.4. To develop long term vision on future role of irrigation and drainage in the participating countries to provide food security and environmental sustainability on the basis of water scenarios development on local and regional level

APPENDIX VI [PCSPOA Item 14]

Agenda for the Sixteenth Meeting of the
WORKING GROUP ON YOUNG IRRIGATION PROFESSIONALS FORUM (WG-YPF)
Yogyakarta, Indonesia
12 October 2010 : 09.00-12.30 hours

Year of Establishment: 1993

Mandate:

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

Members: (1) Mr. Ali Reza Salamat, Interim Chairman, 2009 (Iran, 2000); (2) Ms. Nepveu de Villemarceau Audrey, Secretary, 2002 (France, 2002); (3) Dr. Maurits Ertsen (The Netherlands, 2002); (4) Dr. Nariman Shamsutdinov (Russia, 2003); (5) Ms. Jianxin Mu (China, 2003); (6) Mr. Bennie Grové (South Africa, 2003); (7) Engr. Qazi Tallat Mahmood Siddiqui (Pakistan, 2006); (8) Mr. Velayudan, Sv., Kalaiselvam (Malaysia, 2006); (9) Dr. Kwang-Ya Lee (Korea, 2007); (10) Mr. Piyush Ranjan (India, 2009); (11) Mr. Homan Khaledi (Iran, 2009); and (12) Dr. Takanori Nagano (Japan, 2009).

Website: <http://www.wg-ypf.icidonline.org>

Item 1 : Confirmation of the minutes of the 15th meeting of the WG-YPF

The minutes of the 15th meeting of the Working Group held on 7 December 2009 at New Delhi, India will be confirmed.

Item 2 : Review of the membership of the Working Group

2.1 Membership of the Group

(a) Past nominations

The following nominations were deferred during the 15th meeting of the WG-YPF due to their non-availability during the meeting –

- Ms. Kartabayeva Irina Anatolyevna (Kazakhstan)
- Mr. Nikolay Akhmatovich (Russia) in place of Dr. Nariman Shamsutdinov
- Engr. Muhammad Ejaz Tanveer (Pakistan) in place of Engr. Qazi Tallat Mahmood Siddiqui

The Central Office (CO) has contacted (8 July 2010) the above National Committees (NCs) to confirm their nomination or nominate a fresh member with an assurance that the new nominee would either attend the meeting or be represented by a member from the concerned NC.

In response, RUCID vide their e-mail of 12 July 2010 has confirmed the nomination of Mr. Nikolay Akhmatovich for the membership of the Working Group. PANCID vide their e-mail of 15 July has also confirmed the nomination of Engr. Muhammad Ejaz Tanveer for the membership of the WG. However, PANCID informed that it will not be possible for the nominee to attend the Yogyakarta meeting personally but would like to contribute to the activities through correspondence. Response from Kazakhstan National Committee (KAZCID) is awaited.

CVs of the above nominees will be tabled at the meeting for consideration.

(b) New nominations

The Indonesian National Committee (INACID) has nominated Ir. Fabian Priandani (Indonesia) for the membership of the Working Group. CV of Ir. Priandani will be tabled at the meeting.

(c) Non-attendance/ contribution

At the New Delhi (2009) meeting, the Working Group observed that Ms. Jianxin Mu (China), and Ms. Nepveu de Villemarceau Audrey (France) have neither attended the meetings of the Working Group nor contributed to the activities through correspondence for the last three consecutive years (2007 - 2009). During the meeting, it was decided that fresh nominations may be invited from the concerned National Committees with an assurance that the new nominees would contribute to the activities of the WG. Contribution through correspondence is considered as active participation, in case nominees are unable to attend meetings for want of funds.

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 the member. Refer to Annex 1 of PCSPOA of Agenda (page A- 10). ICID By-law 3.1.7 which stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

The Central Office has contacted CNCID and AFEID in July 2010 to confirm their participation in the Yogyakarta meeting or alternatively nominate a new member with an assurance that the new nominee would contribute to the activities of the WG. Responses from them are awaited.

Attendance/contribution record of the members of the WG-YPF during 2008 and 2009 will be made available during the meeting.

2.2 Election of Chair and Vice Chair and Secretary

At the New Delhi (2009) meeting, the issue of election of new Chair and Vice Chair was deferred in view of scarce attendance of members. It was proposed that Mr. Ali Reza Salamat may continue as the Interim Chairman of the WG till Yogyakarta meeting in October 2010. A consensus choice via virtual discussion was also though of.

Accordingly, the Central Office requested (9 July 2010) all members of the WG-YPF to send an *'Expression of Interest'* for the Chair/Vice Chairmanship of the WG for consideration during the Yogyakarta meeting. Responses are awaited.

The group may like to discuss and elect a new Chair, Vice Chair and Secretary at the meeting.

CONTINUING ITEMS

Item 3 : Review of the progress made by the National Committees in establishing Young Professionals Forum (YPF)

At the New Delhi (2009) meeting, the issue of establishing YPF was discussed and it was proposed that Chair/Central Office may continue to pursue the matter of establishing YPF in more NCs. As of date 23 NCs have established their YPF.

The Central Office had requested (8 July 2010) all the National Committees to establish an YPF within their country. Responses are awaited.

Item 4 : Review of the progress on preparation of a directory of Young Professionals

At the New Delhi (2009) meeting, the WG observed that so far France, India, Japan and South Africa have prepared their own regional directories of Young Professionals. They were requested to update and expand their directories. Actions from other NCs such as Russia, China, and Malaysia are awaited.

PANCID was requested to make available the final directory and approved by-laws to the Central Office. Responses are awaited.

The Central Office in July 2010 has forwarded a sample format of the questionnaire to the above NCs with a request to prepare their YPF directories and forward the same to the Central Office. Responses are awaited.

The Central Office has uploaded the YPF directories of France, India, Japan and South Africa on the WG-YPF website <http://www.wg-ypf.icidonline.org/membership.htm> and informed (9 July 2010) the same to all the members.

Chair may apprise the WG about further progress during the meeting.

Item 5 : Establishment of a Network of Young Professionals through development of a web-based platform

At New Delhi (2009) meeting, the Working Group reviewed and discussed the WG's webpage <www.wg-ypf.icidonline.org> and suggested Central Office to request all concerned (*those who have not yet provided*) to send their contact details for inclusion in the webpage. Accordingly, the Central Office requested (8 July 2010) all members of the WG to send their contact details so that the same can be included in the WG's webpage. Responses are awaited.

Dr. Maurits Ertsen (The Netherlands) had demonstrated an online web-based platform. He had agreed to send letters to those who are interested in sharing the knowledge and information via this facility. This facility will provide an opportunity to gather the information on the latest events for the young professionals and exchange information with each other. The platform operates under the supervision of the Dutch Organization of Higher Education.

Group may discuss.

Item 6 : "How to activate Young Professionals"

At the New Delhi (2009) meeting, the chair discussed various initiatives, as given below, taken so far to activate young professionals in ICID activities.

- Nomination of a young professional from each National Committee as an additional member in each Working Group of ICID;
- Contribution of papers by young professionals for publication in ICID Journal; and
- Participation/nomination of young professionals in WatSave Awards.

It was appreciated that the above initiatives were taken by ICID to activate YPF, but these were apparently not sufficient to enthuse the young professionals to join YPF. It is high time that some concrete measures are taken to rejuvenate this group, as today's young professionals will be tomorrow's ICID's pillars. In order to motivate the young professional, the following measures were proposed:

- NCs to be approached to nominate an additional young member in each Working Group of ICID wherever this has not so far been done.
- NCs shall ensure the participation of young professional member in their delegation to ICID events.
- Full waiver of registration fee to WG-YPF member as well as other young professionals participating in the ICID events.
- Providing sponsorship and inexpensive accommodation to WG-YPF members when possible.

Accordingly, the Central Office requested (8 July 2010) all National Committees to establish an YPF and be benefited.

Mr. A.R. Salamat, Interim Chair of the WG-YPF observed (24 July 2010) over past few years that it has been difficult for the YPF members to attend the annual meetings of ICID due to limited or no funds available to them. Hence, in order to activate the YPF in ICID annual meetings, Mr. Salamat has a new proposal. The proposal is to waive the registration fee of those who are members of the WG-YPF and YPs who are members of other ICID workbodies rather than all young professionals willing to attend the event. The other YPs will continue to get the 50% waiver in the registration fee as before.

In that case, there will be about 10 YPs who may benefit from this financial concession and this will apparently smoothen the way for a higher involvement of YPs. Inexpensive accommodation may continue to be made available to YPs. Waiving of the registration fee of about 10 YPs may be acceptable to the concerned host National Committees.

The Working Group may like to discuss this issue during the meeting and propose as appropriate to PCTA for further deliberation/decision. The matter would have to be reviewed in PFC also, later.

Item 7 : Current activities of YPF members

National Seminar by YPF-INACID, 23 June 2010

As a part of their efforts to encourage the "Young Professional Forum, INACID", the Indonesian National Committee of ICID (INACID) has been actively involving the YPs, in all of INACID activities, including working groups, task forces, discussions, workshops, colloquiums and seminars. The YPF-INACID conducted a National Seminar with the theme "*Sustainable Development and Management of Water Resources*" on 23 June 2010. The Seminar was officially opened by Dr. Moh. Amron, Director General of Water Resources Development, Ministry of Public Works in the presence of about 160 participants from some Research Institutes of the relevant Ministries, engineering consultants, Universities, agricultural institutes, and YPF-INACID members, as well as the prospective members (invitees) from Universities, and some professional organizations in the provinces of Indonesia.

Vice President Dr. Hafied Gany delivered a key note on *"Water Footprint Concept as a Global Parameter for Bridging the Similar Perception on Inter-agency and Inter-stakeholders Collaboration toward Sustainable Integrated Water Resources Development and Management"*.

Out of 40 proposed abstracts, 24 papers were accepted and included in the seminar proceedings. The top six of the papers were presented and discussed at the seminar. The best two papers received special awards.

At the New Delhi (2009) meeting, the group requested all YPF members to send a copy of their new publications to the Central Office for making them available on webpage. The members were also asked to send a brief of their current activities to the Chair for its coverage in the yearly Newsletter (Item 10) of the WG-YPF with a copy to Central Office.

The Central Office requested (8 July 2010) all members to send a copy of their new publications and a brief of their current activities for its possible inclusion in the yearly Newsletter of WG-YPF. Responses are awaited.

The group may discuss.

Item 8 : Papers for Publication in the ICID Journal and ICID News

ICID News (earlier ICID Newsletter) is published quarterly. During the New Delhi (2009) meeting, the Working Group decided that the Central Office may consider one page summary of those papers of the young professionals which have been approved by the Scientific Committee for ICID News. Members were also requested to prepare and submit their papers for publication in the ICID Journal.

The Central Office has sent a circular encouraging (July 2010) all members to prepare and submit their papers for publication in the ICID Journal.

Chair may apprise the members.

Item 9 : YPF Newsletter

During the New Delhi (2009) meeting, the WG noted that the YPF Newsletter was disseminated among the members of the WG as well as observers. The electronic version of the Newsletter was posted on the WG-YPF website. All members of the Working Group are invited to provide information related to the activities of their YPF, so as to incorporate the same in the forthcoming issue of the YPF Newsletter.

The Central Office has requested (9 July 2010) all National Committees to send relevant news like brief report of the events, interesting pictures etc. to Chair/ Central Office. Mr. A.R. Salamat (Iran) has also contacted (24 July 2010) all members and requested to provide short information along with a photo of the activity carried out by young professional in their National Committee for its inclusion in the YPF Newsletter. Responses are awaited.

Chair may apprise the members.

Item 10 : Encouraging Young Professionals for WatSave Awards

During the New Delhi (2009) meeting, the Chairman stated that WatSave awards are being presented in 4 categories. One of the awards is allocated to the best work carried out by the young professionals in the field of water saving techniques. Chairman requested all members to compete in WatSave awards 2010 by sending their best works or performance in water savings through their National NCs to ICID Central Office.

Chair may apprise the members.

Item 11 : Any other business

- **Fellowship in socio-ecological research group**

The Central Office informed (May 2010) all members of the WG that the socio-ecological research group GETIDOS offers three-month fellowship for a junior researcher in Fall 2010. GETIDOS is a socio-ecological research group based at the University of Greifswald and the Institute for Ecological Economics, and sponsored by the German Federal Ministry of Education and Research (BMBF). Fellows are expected to support the preparation of a field study in Kenya and will be given the opportunity to carry out independent research in a lively interdisciplinary and international environment. The fellowship includes travel expenses and a monthly bursary. Please contact Ms. Eva Wascher, GETIDOS Project Manager (getidos@uni-greifswald.de) for more information.

- **2010 IAL Travel Fellowship Award**

Irrigation Australia Limited (IAL) is keen to encourage and promote the development of young professionals in the irrigation industry. As part of this program, IAL is offering a travel fellowship award of $10,000 for a young achiever working on an irrigation research or development related topic relevant to agriculture or horticulture from either the private or public sector. National Program for Sustainable Irrigation is the sponsor of this award, a coalition of investors in sustainable irrigation research and innovation from across Australia.

The Central Office circulated (April 2010) the application guidelines for '2010 IAL Travel Fellowship Award' among all members of the WG and requested to send the nominations to Mr. Chris Bennett at <chris.bennett@irrigation.org.au>. In response, the Pakistan National Committee (PANCID) has forwarded the nomination of Mr. Faisal Nadeem Saher (Pakistan) for consideration of the 2010 IAL Travel Fellowship Award. Others, if interested, may be advised to do likewise.

APPENDIX VII [PCSPOA Item 13]

Agenda for the Twenty-first Meeting of the
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)
Yogyakarta, Indonesia
12 October 2010: 09:00-13:30 hours

Year of Establishment: 1990

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

Members: (1) Mr. Mohammad Kazem Siahi (Iran,2009), Convener; (2) Vice President Engr. Dr. Illahi B. Shaikh (Pakistan); (3) Indian Representative (INCID); (4) Vice President Dr. A. Hafied A. Gany (Indonesia); (5) Australian Representative (IAL); (6) Korean Representative (KCID); (7) The Netherlands Representative (NETHCID); (8) Mali Representative (AMID); (9) French Representative (AFEID); and (10) Dr. Vijay K. Labhsetwar, ICID Central Office.

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

Item 1 : Confirmation of minutes of the 20th meeting of the C-CONGR

The minutes of the 20th meeting held at New Delhi (2009), India 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. The basic composition might be completed by addition of one member of the Organizing Committee of each of the Regional Conferences held during the past and the future Congress, unless it coincides with an IEC Meeting.

The membership given earlier is as per above mode of selection. Nominations have been invited from Indian National Committee of ICID (INCID), Mali National Committee of ICID (AMID), Netherlands National Committee of ICID (NETHCID), French National Committee of ICID (AFEID), Australian National Committee of ICID (IAL), and Korean National Committee of ICID (KCID) for membership.

In response, the NETHCID has nominated Dr. Bert Toussaint (The Netherlands) as their representative.

Responses from other National Committees are awaited.

Item 3 : ICID Congresses on Irrigation and Drainage

3.1 Review and discuss the preparations of the 21st ICID Congress and 8th International Micro Irrigation Congress (2011) in Tehran, Iran

The 21st ICID Congress on Irrigation and Drainage and 8th International Micro Irrigation Congress will be held from 15 to 23 October 2011 at Tehran, Iran together with the 62nd meeting of the International Executive Council (IEC) of

ICID. During the Congress, papers will be presented and discussed for two Congress Questions, a Special Session, and a Symposium and Seminar each one devoted to specific themes. The details of all the above events stand covered in the printed '*Call for Papers'.* This 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 21st ICID Congress is also available on the Congress website: http://www.icid2011.org. The suggestions for improving the website are welcome. The Organizing Committee of the 21st ICID Congress has been established in the host country for planning and conducting the Congress.

The Central Office has provided the '*Guidelines for Organizing ICID Congresses'* to IRNCID (**Annex**). IRNCID has already set the process rolling.

Mr. Mohammad Kazem Siahi (Iran), Convener may apprise the Committee members.

3.2 Review and discuss the preparations of the 22nd ICID Congress (2014) in Korea

The representative from Korean National Commission of ICID (KCID) may apprise the Committee about the status of preparation and planning of the 22nd ICID Congress to be held in 2014 at Seoul, Korea.

Item 4 : International Executive Council Meetings (IECs)

4.1 Feedback from 60th International Executive Council (IEC) meeting (2009) at New Delhi, India

In the Diamond Jubilee Year of ICID, the 60th International Executive Council (IEC) meeting and 5th Asian Regional Conference (ARC) were held during 06-11 December 2009 at Vigyan Bhawan in New Delhi, India. The theme of the 5th Asian Regional Conference was "*Improvement in Efficiency of Irrigation Projects through Technology Up-gradation and Better Operation & Maintenance*".

During the events, over 32 ICID Workbody meetings and 6 Special Sessions were held. The events were organized by the Indian National Committee of ICID (INCID) with the backup facilitation by Central Board of Irrigation and Drainage (CBIP), India.

It was a historic occasion for ICID being its Diamond Jubilee year. Prime Minister of India Dr. Manmohan Singh inaugurated the 5th Asian Regional Conference held alongside of 60th International Executive Council Meeting. The ICID event stood glorified with the joining of a galaxy of Cabinet Ministers in India – Finance Minister Dr. Pranab Mukerjee, Minister of Parliamentary Affairs and Water Resources Mr. Pawan Kumar Bansal, Deputy Chairman, Planning Commission Dr. Montek Singh Ahluwalia, Minister of State for Communication and Information Technology Mr. Sachin Pilot, and Minister of State of Water Resources Mr. Vincent Pala, thus assuring the importance assigned to food security by the Govt. of India. Hon'ble Finance Minister of India Dr. Pranab Mukherjee was the Chief Guest for the Closing Ceremony.

The event brought together 740 delegates from 47 countries across the world. An impressive number of international and national agencies, manufacturers of irrigation and drainage products put their stalls in an exhibition which was inaugurated by Hon'ble Minster of Water Resources Mr. Pawan Kumar Bansal.

A Special Postal cover marking the '*Diamond Jubilee Year*' (1950-2009) of ICID was also released by Mr. Sachin Pilot, Minister of State for Communication and Information Technology during the Closing Ceremony.

The representative from Indian National Committee of ICID (INCID) may further apprise the Committee.

4.2 Review and observe the preparations made by INACID for 61st IEC Meeting during 10-16 October 2010 at Yogyakarta, Indonesia

The representative from Indonesian National Committee of ICID (INACID) may apprise the Committee about the preparations and detailed planning of the 61st IEC meetings.

4.3 Review and discuss the preparations for 62nd IEC Meeting during 15-23 October 2011 at Tehran, Iran

The representative of Iranian National Committee of ICID (IRNCID) may apprise the Committee about the preparations and detailed planning of the 62nd IEC meetings.

4.4 Review and discuss the preparations for 63rd IEC Meeting during 24-29 June 2012 at Adelaide, Australia

The representative from Australian National Committee of ICID (IAL) may apprise the Committee about the preparation and detailed planning of the 63rd IEC meetings.

4.5 Review and discuss the preparations for 65th IEC Meeting in 2014 at Seoul, Korea

The representative from Korean National Committee of ICID (KCID) may apprise the Committee about the preparation and detailed planning of the 65th IEC Meetings.

Item 5 : Regional Events

5.1 Feedback from 5th Asian Regional Conference during 6-11 December 2009 at New Delhi, India

Please refer Item 4.1. The representative from Indian National Committee of ICID (INCID) may further apprise the Committee.

5.2 Review and observe preparations made for the 6th Asian Regional Conference during 10-16 October 2010 at Yogyakarta, Indonesia

The representative from Indonesian National Committee of ICID (INACID) may apprise the Committee about the preparation and detailed planning of the 6th Asian Regional Conference.

5.3 Review preparations for the 24th European Regional Conference during 14-16 March 2011 at Orléans, France

The 24th European Regional Conference (ERC) will be held during 14-16 March 2011 at Orléans, France. The theme of the 24th ERC is '*Groundwater Management*' and the other topics for the Conference are :

1. **Hydro-geological studies:** how do they contribute to explain links between water resources and uses and to the definition of sustainable management rules?
2. **Groundwater recharge and conjunctive use of ground and surface water:** can conjunctive use be a solution to overcome overexploitation? Which risks and consequences on equity between users?
3. **Multi-actors processes:** the foundations of a shared management? What results have been obtained?
4. **The EU Water Framework Directive and Groundwater Daughter Directive:** are these just rigid frameworks or do they provide effective incentives to develop groundwater management tools?
5. **Economic instruments:** what is their effectiveness to reduce groundwater use and pollution? In which context?
6. **Apparent anarchy but informal arrangements:** the collective action, pathway to sustainability?
7. **The control of water quality:** to which use the groundwater is meant?

The ERC is being organized under the guidance of Dr. Sami Bouarfa, Secretary General, AFEID and President of the Technical Committee of AFEID. Please access '*Call for Papers*' of the 24th ERC of ICID <**http://www.groundwater2011**> for more information.

The representative from AFEID may apprise the Committee about the preparation and detailed planning of the 24th ERC.

5.4 Review preparations for the 25th European Regional Conference during 16-20 May 2011 at Groningen, The Netherlands

The 25th ICID European Regional Conference (ERC) will be held during 16-20 May 2011 at Groningen, The Netherlands. The theme of the 25th ERC is '*Integrated Water Management of Multiple Land Use in Flat Coastal Areas*' and the other topics of the Conference are :

Topic I : Multiple land-use

Topic II : Fresh water management and salt intrusion

Topic III : Flood risk management

Topic IV : Institutional arrangements and history

The ERC is being organized under the mentoring leadership of Dr. Bert Toussaint, Chairman of the Organizing Committee of the Conference. Please access '*Call for papers'* of 25th ERC at <www.icid2011.nl> for more information.

The representative from NETHCID may apprise the Committee about the preparation and detailed planning of the 25th ERC.

5.5 Review preparations for the 3rd African Regional Conference (2011) at Mali

The representative from Mali National Committee of ICID (AMID) may apprise the Committee about the preparation and detailed planning of the 3rd African Regional Conference.

5.6 Review preparations for the 7th Asian Regional Conference during 24-29 June 2012 at Adelaide, Australia

The representative from Australian National Committee of ICID (IAL) may apprise the Committee about the preparation and detailed planning of the 7th Asian Regional Conference.

Item 6 : Website of C-CONGR

The Central Office invited (30 April 2010) news briefs on ICID events from National Organizing Committees for placing on webpage of C-CONGR. Information on events in Indonesia, Iran, France and The Netherlands are available at the webpage of C-CONGR through icon 'ICID Events'. Please access <**http://www.c-congr.icidonline.org**> of the C-CONGR website for more information.

Item 7 : Any other business

TUCID's candidacy for 2013

The ICID Central Office has received (26 May 2010) a proposal from Turkish National Committee of ICID (TUCID) for hosting 64th International Executive Council (IEC) Meeting and 8th Asian Regional Conference (ARC) in 2013 in Turkey. This will be considered in IEC as per 'rule of business'.

IAL Session at 21st ICID Congress

Irrigation Australia Limited (IAL) proposes to organize a half day session on '*Australian experiences: Modernization and Water Management Schemes'* during the 21st ICID Congress in October 2011 at Tehran, Iran, which would also help them to introduce the preparations for 63rd IEC, June 2012 at Adelaide and welcome delegates.

Promoting Young Professionals in ICID Events

Mr. A.R. Salamat, Interim Chair of the WG-YPF observed (24 July 2010) over past few years that it has been difficult for the YPF members to attend the annual meetings of ICID due to limited or no funds available to them. Hence, in order to activate the YPF in ICID annual meetings, Mr. Salamat has a new proposal. The proposal is to waive the registration fee of those who are members of the WG-YPF and YPs who are members of other ICID workbodies rather than all young professionals willing to attend the event. The other YPs will continue to get the 50% waiver in the registration fee as before.

In that case, there will be about 10 YPs who may benefit from this financial concession and this will apparently smoothen the way for a higher involvement of YPs. Inexpensive accommodation may continue to be made available to YPs. Waiving of the registration fee of about 10 YPs may be acceptable to the concerned host National Committees.

The Committee may like to discuss this issue during the meeting and propose as appropriate to PCTA for further deliberation/decision. The matter would have to be reviewed in PFC also, later.

Annex [Appendix VII, Item 3.1]

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.

APPENDIX VIII [PCSPOA Item 8]

Agenda for the Sixteenth Meeting of the
EUROPEAN REGIONAL WORKING GROUP (ERWG)
Yogyakarta, Indonesia
12 October 2010: 09.00-12:30 hours

Year of Establishment: 1995

Mandate : The mission of ERWG is to promote awareness about critical ICID relevant water issues at all levels in Europe and to pay special attention to the environmentally sustainable water management in Europe.

Members : (1) Vice President Hon. Dr.-Ing. Eiko Lübbe, Chairman (Germany, 2002); (2) Vice President Prof. Dr. Peter Kovalenko, Vice-Chairman (Ukraine, 2005); (3) Vice President Dr. Laszlo Hayde, Secretary (Hungary, 2005); (4) Vice President Hon. Prof. Dr. Brane Maticic (Slovenia, 1996); (5) Dr. Michele Angelo Cuccaro (Italy,1996); (6) Prof. Dr. Ion Nicolaesco (Romania, 1996); (7) Mr. Pedro Eduardo da Cunha Serra (Portugal,1996); (8) Mr. Nicos Tsiourtis (Cyprus, 1996); (9) Prof. Dr. Svatopluk Matula (Czech Rep., 1997); (10) Dr. Antanas Maziliauskas (Lithuania, 1997); (11) Dipl.-Ing. Frederick M. Cate (Austria, 1998); (12) Vice President Hon. Dr. Ricardo Segura (Spain, 1999);(13) Mr. Jaakko Sierla (Finland, 2001); (14) Dr. Davor Romic (Croatia, 2002); (15) Dr. Zvonimir Vukelic (Macedonia, 2002); (16) Mr. Mati Tonismae (Estonia, 2002); (17) Prof. Dr. A. Poulovassilis (Greece, 2003); (18) Dr. John Martin (Ireland, 2003); (19) Mr. Peter Pantelic (Serbia, 2003); (20) Dr. Pol Hakstege (The Netherlands, 2007); (21) Dr. Irina G. Pankova (Russia, 2007); (22) Mr. Claude Alain Vullier (Switzerland, 2007); and (23) Secretary General, ICID.

Observer : (i) Mr. Mohammed Binbilidia (IME, France); and (ii) Prof. Dr. Joachim Quast (Germany).

Ex-Officio Members : (i) VP Prof. Dr. Peter Kovalenko (Ukraine), Chairman, ERWG Work Team on Sustainable Irrigation Management; and (ii) VPH Dr. G.G. Gulyuk (Russia), Chairman, ERWG Work Team on Drainage.

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

Item 1 : Confirmation of the minutes of the 15th meeting of the Working Group

The minutes of the 15th meeting of the Working Group held on 07 December 2009 at New Delhi (India) will be confirmed.

Item 2 : Review of membership of the Working Group

The ICID Central Office requested (02 July 2010) the British National Committee of ICID (ICID.UK) to send a fresh nomination of a professional for the membership of the European Regional Working Group (ERWG) for consideration. Response is awaited.

The ICID Central Office requested (12 August 2010) the French National Committee of ICID (AFEID) to send a fresh nomination (*due to sad demise of VPH Henri Tardieu*) of a professional for the membership of the European Regional Working Group (ERWG) for consideration. Response is awaited.

The National Committees of Belgium, Bulgaria, Poland and Slovak Republic have become inactive in the past. The Central Office is in contact (11 March 2010) with these National Committees for their reactivation. The Central Office has also invited (17 March 2010) Albania, Belarus, Bosnia & Herzegovina, Moldova, Norway and Sweden for ICID membership. Responses are awaited.

In response, Norway has declined (18 March 2010) the ICID offer for membership. Responses from others are awaited.

2.1 Election of New Chairman of ERWG

VPH Dr. Eiko Lübbe (Germany) has been the Chairman of the ERWG since 2002 and announced during the 15th meeting of the European Regional Working Group (ERWG) held on 07 December 2009 at New Delhi, India that he would like to step down from the duties of Chairmanship in October 2010.

The ICID Central Office invited (01 July 2010) proposals / expression of interest from the representatives of the National Committees in the European Regional Working Group and responses if any, will be provided in Supplementary Agenda before IEC meetings.

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

The Chairman may like to apprise the members on new developments/cooperation especially with regard to EWA (European Water Association), the International Commission for Protection of the Rivers Rhine, Danube, and Odra. The ERWG network includes 7 National Water Management Associations **(Annex)**.

The ongoing contacts have been renewed with the UN-Water Decade Programme on Capacity Development (UNW-DPC). ICID-UNU co-operation commenced in 2009 with an activity in Tehran – organized by UNU with cooperation from IRNCID and would continue.

A side event by FAO/UNW-DPC /ICID during 8-9 October 2010 at Yogyakarta, Indonesia is being organized under the Framework of Cooperation between FAO / UNW-DPC / ICID signed as a follow-up of the MoU. The goal of this event is to provide an overview of the most strategic applications of 'Aqua Crop' model of FAO in different agro-climate conditions. More information can be accessed at <www.unwater.unu.edu>.

Item 4 : Dialogue on Water for Food and Environment

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

The members were to cooperate with CEE-GWP and WWF and invite them to participate in the conferences organized by ICID, like European Regional Conferences and International Drainage Workshops.

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

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

The Central Office is in contact (02 July 2010) with Chairman on the subject. Response is awaited.

The Chairman may apprise the members on the progress, if any, on the dialogue process.

Item 5 : European Work Team on Water Related Risk Analysis (EWTWRRA)

The idea of merging of Drought and Flood Work Teams under the frame of Risk Management had been brought (2007) to the fore by Dr. Vermes (Hungary). After detailed discussions on the proposed aims, the WG accepted the idea of merging European Work Team on Drought (EWTDRO) and European Work Team on Floods (EWTFLO) to create a new Work Team under the name Work Team on Water Related Risk Analysis (EWTWRRA).

The WG deliberated on the mandate of the Work Team during New Delhi (2009) meeting and agreed to consider the impacts of extreme events on agricultural production at situations of water scarcity and inundation and to develop risk mitigation strategies. Agreeing to the importance of the WT, Dr. Sandor Szalai (Hungry) agreed kindly to provide an initial work plan. The proposals from ITAL-ICID, HUCID and GECID for the activities of the WT (*in circulation among the membership in early 2010*) will be kept in view.

The Central Office has invited (2 July 2010) nominations from member countries in ERWG for membership of the new Work Team and also comments on the mandate / work plan from Dr. Sandor Szalai (Hungry). Responses are awaited.

Item 6 : ERWG Work Team on EU Water Framework Directive (EWTWFD)

The Work Team on '*EU Water Framework Directive*' (EWTWFD) has not been progressing well due to member countries heavily involved in the implementation of EU WFD. The WG had decided (2009) to skip this Work Team and bring forward this topic in the planned WIKI-based electronic platform. The Central Office is in contact (02 July 2010) with the Chairman on the subject.

The Chairman may apprise the WG.

Item 7 : European Work Team on Sustainable Irrigation Management (EWTSIM)

During New Delhi (2009) meeting, it was informed that a document on "*Irrigation Sector Reform in Central and Eastern European Countries",* based on the project results (Phase I), has been published and distributed as a hard copy and CD-ROM (*during the previous meeting of the WG*). Further, Vice President Prof. Kovalenko 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 President Hon. Bart Schultz. Due to financial constraints, this could not be taken up and continues to be postponed.

VP Kovalenko was in contact with GTZ to raise the awareness of the problems and explore funding opportunities. The new report (incorporate new irrigation technologies, water saving, efficiency, etc.) may serve as a "manual" for GTZ to raise awareness.

The Chairman/ Prof. Kovalenko may apprise the members.

Item 8 : European Work Team on Drainage (EWTDRA)

It was informed during the New Delhi (2009) meeting that the future activities of the Work Team, as deliberated and specified during the International Drainage Workshop at Helsinki / Tallinn in 2008, would among others, focus on drained non-chernosem soils.

The ICID Central Office is in contact (02 July 2010) with Vice President Hon. Dr. Georgi Georgievich Guluyk (Russia), WT Chairman for the full list of other activities of the WT for consideration during the Yogyakarta (2010) meeting. Response is awaited.

The Chairman/ Dr. Guluyk may apprise the WG.

Item 9 : Conferences supported by ERWG

24th European Regional Conference of ICID, 2011, Orléans, France

The 24th European Regional Conference (ERC) will be held during 14-16 March 2011 at Orléans, France. The theme of the 24th ERC is '*Groundwater Management*' and the other topics for the Conference are:

1. **Hydro-geological studies:** how do they contribute to explain links between water resources and uses and to the definition of sustainable management rules?
2. **Groundwater recharge and conjunctive use of ground and surface water:** can conjunctive use be a solution to overcome overexploitation? Which risks and consequences on equity between users?
3. **Multi-actors processes:** the foundations of a shared management? What results have been obtained?
4. **The EU Water Framework Directive and Groundwater Daughter Directive:** are these just rigid frameworks or do they provide effective incentives to develop groundwater management tools?
5. **Economic instruments:** what is their effectiveness to reduce groundwater use and pollution? In which context?
6. **Apparent anarchy but informal arrangements:** the collective action, pathway to sustainability?
7. **The control of water quality:** to which use the groundwater is meant?

The ERC is being organized under the guidance of Dr. Sami Bouarfa, Secretary General, AFEID and President of the Technical Committee of AFEID. Please access '*Call for Papers*' of the 24th ERC of ICID <**http://www.groundwater2011**> for more information.

The representative from AFEID may apprise the Committee about the preparation and detailed planning of the 24th ERC.

25th European Regional Conference of ICID, 2011, The Netherlands

The 25th ICID European Regional Conference (ERC) will be held during 16-20 May 2011 at Groningen, The Netherlands. The theme of the 25th ERC is '*Integrated Water Management of Multiple Land Use in Flat Coastal Areas*' and the other topics of the Conference are :

Topic I : Multiple land-use
Topic II : Fresh water management and salt intrusion
Topic III : Flood risk management
Topic IV : Institutional arrangements and history

The ERC is being organized under the mentoring leadership of Dr. Bert Toussaint, Chairman of the Organizing Committee of the Conference. Please access '*Call for papers'* of 25th ERC at <**www.icid2011.nl**> for more information.

The representative from NETHCID may apprise the Committee about the preparation and detailed planning of the 25th ERC.

11th International Drainage Workshop

The National Committee of the Russian Federation on Irrigation and Drainage (RUCID) has proposed to host the 11th International Drainage Workshop in Russia during 16-20 June 2012. The dates are too close to 63rd IEC meeting and 7th Asian Regional Conference during 24-29 June 2012 at Adelaide, Australia.

WG may discuss / note.

Item 10 : ERWG Letter Editorial Board

The ERWG Letter 19 (2009) was published (May 2009) and circulated among the members of the ERWG and can be viewed at <**http://www.erwg.icidonline.org**>. ERWG appreciated the hard work of the Editorial Team for preparing and publishing the ERWG Letter so regularly and on time year after year.

The next issue of '*ERWG Letter 20*' (2010) will be published by end of September 2010 before the Yogyakarta meetings. Printed copies will be available for distribution at Yogyakarata and electronic version will be available via the internet.

The Chairman informed that the Secretariat of GECID at ZALF will close down its activities in view of retirement of Prof. Dr.-Ing. Joachim Quast who was responsible for preparing the ERWG letters all these years.

Due to above developments, the National Committees in ERWG are invited to offer their proposals for the future work of the ERWG Letter.

The Chairman may further apprise the WG.

Item 11 : Young Professional Fora

The Young Professional Fora have been routinely organized during the European Regional Conferences in the past and it has been observed that the responses of Young Professionals were always overwhelming.

A Young Professional Forum was successfully organized during the 23rd ERC in May 2009 at Lviv, Ukraine. It was seen that the efforts were successfully made to raise funds to support the Young Professionals who were involved in the joint UNESCO German-Ukrainian project on the development of the Dnister region from German Ministry of Research and Education.

Organizers of the upcoming 24th and 25th European Regional Conferences may take a note and promote and support the Young Professionals in a similar fashion.

The Chairman may apprise the WG.

Item 12 : Any other business

- **Secretariat of GECID**

Prof. Dr.-Ing. Joachim Quast will step down from his post as Secretary of the German National Committee of ICID (GECID) in view of his retirement from this position at ZALF. As a result, he will also be relinquished from his responsibilities of publishing the ERWG Letter. Volker Ehlert, who was assisting in the editorial works for the ERWG Letter, will also not be active anymore within GECID Secretariat.

Due to these new developments, the Secretariat of GECID will also close down its activities under the umbrella of ZALF.

The Chairman may further apprise the WG.

- **Henri Tardieu Foundation**

Henri Tardieu was our colleague, our boss, our friend, says the French National Committee (AFEID). There are certainly a great number of us who regret that a tragic accident on 2nd April 2010 led to his early death, thus preventing him from continuing to be what he had always been : a land clearer, an innovator, a 'path maker'.

AFEID has thought of perpetuating his memory, by creating an association whose goal would be to try to keep his spirit alive by rewarding a young professional each year for their innovative or outstanding research, project or action in the field of water for development.

This association will really come into existence after a general 'constitutional' assembly, which AFEID proposes to organise in Paris on 18th October 2010 (time and address to be defined).

All interested in sharing AFEID views that it is worth 'passing on the flame' of Henri's struggle for water and development may send a message endorsing the proposition. Messages can be sent to (1) Jean-Roger Mercier (e-mail : jeanrogermercier@yahoo.fr), (2) Bernard Préfol (e-mail : b-s.prefol@wanadoo.fr).

- **Invitation from SIWI**

An invitation from Stockholm International Water Institute (SIWI) for attending the Side Event on "Water and Climate – Bridging the Gap" at the Bonn climate talks held in Bonn, Germany on 03 June 2010 had been received in ICID. This event was to bring together experts from the water and climate community to discuss the implications of COP 15 outcomes for the water agenda. It also featured the launch of the Water and Climate Coalition.

The Central Office requested (01 June 2010) Prof. Dr.-Ing. Joachim Quast, Secretary of German National of ICID (GECID) to represent ICID in this Side Event. Prof. Quast can apprise the WG.

- **Lower Danube Conference**

The International Conference on '*Geographical Research and Cross-Border Cooperation within the Lower Basin of the Danube'* will be held during 23 September to 26 September 2010 at Craiova, Romania. The Conference is being organized by the Geography Department of the University of Craiova and the West University of Timisora, Romania. Please access <**http://www.forumgeografic.ro/events/>** for more information.

The Central Office has circulated (15 June 2010) the announcement amongst the members of the European Regional Working Group (ERWG).

- **Invitation from WMO**

The World Meteorological Organization (WMO) will be organizing its 15th Session of the Commission for Instruments and Methods of Observation (CIMO) during 02-08 September 2010 at Helsinki, Finland.

The Central Office requested (09 June 2010) Prof. Petti Vakkilainen, Chairman, Finnish National Committee on Irrigation and Drainage (FINCID) to represent ICID in this Session.

OBITUARIES

VPH Henri Tardieu (France)

The French National Committee of ICID (AFEID) informed the Central Office that VPH Henri Tardieu died on 02 April 2010 (Friday) due to a brief illness. It was with deep regrets that we place on record the sad and untimely demise of Vice President Hon. Henri Tardieu. VPH Tardieu was a strong supporter of the objects of ICID and indeed epitomized excellence in all his contributions to the works of Commission through various capacities such as the Vice Chairman of Permanent Committee for Technical Activities (PCTA), Vice Chairman of erstwhile ICID Working Group on Operation, Maintenance and Management of Irrigation and Drainage Projects (WG-OMM), and Strategy Theme Leader of Theme 'Basin' (a position he held admirably till the last IEC meeting in New Delhi in 2009). His valuable contributions as the Chairman of ICID Task Force 3 on "Developing Position Paper on Socio-Economic Sustainability of Services Provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector" and as the Vice President of ICID during the term 1994-1997 are well-known. His significant and noteworthy recent contribution was during the World Water Forum-5 in Istanbul where ICID took over the role of forming a consortium to bring out a position paper on "Topic 2.3: Water and Food for ending poverty and hunger". VPH Tardieu leaves an everlasting imprint of his inspiring personality on all the work of ICID. At this time of great grief, the ICID fraternity records its profound sympathy and condolences to the bereaved family and to the members of the French National Committee.

May his soul rest in peace!

Mr. Eugenii Gusenkov (Russia)

It is with profound grief and sorrow that we report about the sad demise of Mr. Eugenii Gusenkov (Russia) on 27 June 2010. Mr. Gusenkov was Member of European Regional Working Group (ERWG) from 1996 to 2007 representing National Committee of the Russian Federation on Irrigation and Drainage (RuCID); he contributed to the working group with dedication, zeal and significant sense of duty.

ICID family offers its heartfelt condolences to the bereaved family of Mr. Eugenii Gusenkov. May the departed soul rest in eternal peace!

Annex [Appendix VIII, Item 3]

EUROPEAN REGIONAL WORKING GROUP (ERWG)

Profile

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

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

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

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

Countries with observer status

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

Subordinate Work Teams

European Work Team on Water Related Risk Analysis (EWTWRRA)

Chairman *To be elected* (Dr. Sandor Szalai, Hungary)
Members *To be elected*

European Work Team on EU Water Framework Directive (EWTWFD)

Chairman	(N.N.)
Members	Mr. Frederick M. Cate (Austria), Mr. Vladimir Milovsky (Russia), Dr. Pavel Puncochar (Czech Republic), Mr. Ricardo Segura Graino (Spain), Mr. V. Stavric (Macedonia), Mr. Risto Timonen (Finland)

European Work Team on Sustainable Irrigation Management (EWTSIM)

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

European Work Team on Drainage (EWTDRA)

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

Editorial Board of ERWG Letter (EBLET)

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

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 18 (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

- Flood risk mitigation by agricultural non-structural measures
- 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

APPENDIX IX [PCSPOA Item 10]

Agenda for the Seventh Meeting of the
AMERICAN REGIONAL WORKING GROUP (AMRWG)
Yogyakarta, Indonesia
12 October 2010: 13:30-17:00 hours

Year of Establishment: 2003

Mandate: (1) To assist in the development of ICID National Committee in Americas; (2) To obtain and disseminate information on irrigation and drainage in Americas; (3) To organize national and international discussions / meetings on relevant scientific and technical issues; and (4) To act as catalyst for promoting better contact with the ICID and other relevant international organizations.

Members: (1) Dr. Luis Rendón Pimentel, Convener (Mexico, 2004); (2) Dr. Dennis Wichelns (USA, 2005); (3) Representative from Brazil; (4) Representative from Canada; (5) Representative from Chile; (6) Representative from Guyana; (7) Representative from Uruguay; and (8) Secretary General, ICID.

Observers: (1) Vice President Hon. José A. Ortiz Fdz.-Urrutia (Spain); (2) Representative from Portugal; and (3) Dr. Jaime Collado (Mexico).

Item 1 : Confirmation of the minutes of the 6th meeting of the Working Group

The minutes of the 6th meeting of the Working Group held at New Delhi, India in December 2009 will be confirmed.

Item 2 : Review of Membership

The ICID Central Office has requested (24 March 2010) National Committees of Brazil, Canada, Chile, Guyana, Portugal (Observer) and Uruguay to send nominations for the membership of the Working Group. Responses are 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 (25 February 2010) and urged them to revive their memberships. . Responses are awaited.

However, Argentina and Peru had indicated their inclination to join ICID in 2008. The Central Office is actively pursuing their membership and awaits their further response.

Central Office has also attempted (04 March 2010) 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 Paraguay, Republic of Puerto Rico, Republic of Trinidad & Tobago and Republic of Nicaragua, for the membership of ICID.

In response, the Central Office has received (18 March 2010) a positive message from Dr. Robert Salandy, Director (Land and Water Development Division), Republic of Trinidad & Tobago for becoming a member of ICID. Central Office provided (19 March 2010) all the necessary information and informed that the ICID annual membership subscription of Trinidad & Tobago would be US$ 1,355 for the year 2010. Further response is awaited.

As a result of similar efforts in early 2008, the Republic of Jamaica was admitted to ICID during 59th IEC meeting in October 2008 at Lahore, Pakistan. However, the 1st subscription from the Republic of Jamaica is still awaited.

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

At Kuala Lumpur (2006), Sacramento (2007), Lahore (2008), and New Delhi (2009) the elections of Chairman, Vice Chairman and Secretary could not be held during the WG meetings due to scarce attendance of members. It was therefore decided to defer the elections till next meeting in October 2010 at Yogyakarta, Indonesia (2010).

Item 4 : Activities of the WG

The following activities are proposed:

- Preparing an 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.
- Identifying events taking place in Americas and participation.
- Fostering close bilateral/multilateral cooperation between Latin American National Committees.
- Others…..

Further, a workplan (a three year rolling plan) needs to be prepared to guide and assign activities under AMRWG to members for suitable follow up action.

Item 5 : Any other business

- **Activities for Latin America: One-day seminar**

The Italian National Committee of ICID (ITAL-ICID) successfully organized a one-day Seminar under theme '*Water for Food, Water and Health*' held on 25 February 2010 at National Research Council, Italy under the leadership of Vice President Prof. Lucio Ubertini (Italy). This Seminar was a good opportunity for Latin American countries and their representatives to share information on their activities and explore further avenues for cooperation with each other. The experiences of Latin American countries in irrigated agriculture have a rich diversity. The new initiative by Italian National Committee ushered in better opportunities to gain mutually from the experiences of the Latin American countries and the rest of the world.

The ICID Central Office provided detailed information to VP Lucio Ubertini on active/inactive National Committees in Americas, benefits of ICID membership etc. for his use while conducting the seminar and further dissemination, as appropriate. President Madramootoo appreciated the efforts of VP Ubertini and suggested to involve FAO and VPH Ortiz (Spain) in his activities.

- **Invitation from World Agricultural Forum (WAF) – Latin America, Brasilia, Brazil**

ICID Central Office had received (14 June 2010) an invitation from Dr. Kathy Moldthan, President and CEO, World Agricultural Forum (WAF) – Latin America on "The Role of Latin America in Feeding the World in 2050" held on 12-13 May 2010 at Brasilia, Brazil. The Forum was graced by eminent policy makers and leading voices in the agribusiness of the world.

Central Office requested (26 April 2010) Ing. Helvecio Mattana Saturnino, President of Brazilian National Committee of ICID (ABID) to represent ICID during the Meeting which was graciously done. Ing. Helvecio Mattana Saturnino supplemented information that PH Aly Shady and himself introduced ICID's contribution to the assembly.

- **Invitation from WMO**

ICID Central Office received (07 May 2010) an invitation from the World Meteorological Organization (WMO) for its fifteenth session of the Commission for Agricultural Meteorology (CAgM), which was held on 15-21 July 2010 at Belo Horizonte, Brazil. ICID is an accredited organization having consultative status with WMO and has attended some of the previous meetings of WMO. This was a good meeting opportunity for ICID to share information on our activities.

Central Office requested (25 May 2010) Ing. Helvecio Mattana Saturnino, President of Brazilian National Committee of ICID (ABID) to represent ICID during this Session. Response is awaited.

- **'Launch of the 2030 Water Agenda' in Mexico**

The ICID Central Office received (01 July 2010) the announcement on updating the '*International activities of the National Water Commission of Mexico',* June 2010 issue. In this issue they focused on the long-term planning for water resources management as evidenced through the *'Launch of the 2030 Water Agenda'*, supported by the World Bank for the global climate change adaptation agenda, and the Latin American and Caribbean dialogue process on water and climate change.

In an event organized by the Comisión Nacional del Agua (CONAGUA) in Los Pinos, the President of Mexico, H.E. Felipe Calderón Hinojosa, launched the 2030 Water Agenda on 26th March 2010. A brief description of the event is available at <http://www.conagua.gob.mx>

Central Office disseminated the information (02 July 2010) to Convener and members of the ICID American Regional Working Group (AMRWG) for their information.

APPENDIX X [IEC Item 11]

Agenda for the Thirtieth Meeting of the
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)
Yogyakarta, Indonesia
14 October 2010: 11.00-12.30 hours (Session-I)
14 October 2010: 13.30-18.00 hours (Session-II)

Year of Establishment: 1981

Members: (1) Vice President Hon. Hector Malano, Chairman (Australia, 2005); (2) Mr. Bruno Molle, Vice Chairman (France, 2006); (3) Vice President Hon. Larry D. Stephens, Secretary (USA, 2003); (4) Vice President Hon. Hussein Ehsan El-Atfy (Egypt, 2005); (5) Prof. Daniele de Wrachien (Italy, 2005); (6) Dr. Yohei Sato (Japan, 2005); (7) Dr. Nikolay G. Kovalev (Russia, 2007); (8) Mr. Hasan B. Yuksel (Turkey, 2007); (9) Vice President Er. A.K. Bajaj (India, 2008); (10) Engr. Husnain Ahmed (Pakistan, 2009), and (11) Er. M. Gopalakrishnan, Secretary General, ICID

Permanent Observers: (i) World Bank Representative; (ii) FAO Representative; (iii) IWMI Representative; (iv) ISO Representative; (v) WWC Representative; (vi) CPWF Representative; (vii) AgWA Representative; and (viii) IPTRID Representative.

Ex-Officio Members: All Strategy Theme Leaders and Chairpersons of all workbodies under PCTA.

Item 1 : Confirmation of minutes of the 29th meeting of PCTA held at New Delhi, India, 09 December 2009

The minutes of 29th meeting of PCTA held at New Delhi on 09 December 2009 were circulated and also uploaded on the ICID website on 09 February 2010. As no comments were received thereon, the minutes may be confirmed.

A. CONTINUING ITEMS

ITEMS FOR ACTION

Item 2 : Membership of the Committee

2.1 ICID Central Office invited National Committees to send nominations for the membership of workbodies, including, PCTA. In response, US National Committee (USCID) has nominated Vice President Hon. Mark Svendsen for the membership of PCTA.

2.2 Attendance of the members at the PCTA meetings in 2008 and 2009 will be provided to the Chairman at the time of the meeting. The Committee will take a view in terms of ICID By-law 3.1.7

Item 3 : Composition of Workbodies

3.1 Recommendation of Workbodies for the position of Chairmen/ Vice Chairmen/ Secretaries

The Chairs/Vice Chairs/Secretaries of the following workbodies will retire at the end of Yogyakarta meetings. New Chairs/Vice Chairs/Secretaries elected by the workbodies will be considered for recommendation to IEC for acceptance.

Name of Workbody	**Chairs/ Vice Chairs/ Secretaries**
WG-CAFM	Engr. Dr. Illahi B. Shaikh (Pakistan), Interim Chairman
WG-ENV	Dr. Gé van den Eertwegh (The Netherlands), Secretary

3.2 New membership proposals for Workbodies

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

ICID Journal Editorial Board (EB-JOUR)

New nomination

- Mr. Bernard Vincent (France)

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

Deferred Nomination

- Mr. Zarar Aslam (Pakistan) in place of Dr. Engr. I.B. Shaikh

Working Group on Drainage (WG-DRG)

New nomination

- Mr. Mati Tonismae (Estonia)

Working Group on the Role of Irrigation in Poverty Alleviation and Livelihoods (WG-POVERTY)

New nomination

- Ms. Laura Schroeder (USA)

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

New nomination

- Mr. Bashir Ahmed Sial (Pakistan)

Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)

New nomination

- Dr. Abdul Razzaq Ghumman (Pakistan) in place of Engr. Qazi Tallat Mahmood Siddiqui

Deferred nominations

- Dr. Kiwood Park (Korea)
- Dr. Polevoy Anatoliy (Ukraine)
- Dr. Teodoro Estrela Monreal (Spain)
- Dr. Benjamin de León Mojarro (Mexico)

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

New nomination

- Dr. (Ms.) Hsiao-Wen Wang (Chinese Taipei) as Young Professional

Working Group on Environment (WG-ENV)

Deferred nominations

- Mr. Javeed Iqbal Bokhary (Pakistan) in place of Dr. Engr. I.B. Shaikh
- Dr. Theresa Volschenk (South Africa)
- Mr. Ahmed Aziz (Iraq)

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

New nomination

- Dr. Moch. Basuki Hadimuljono (Indonesia)

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

New nomination

- Dr. Juan Antonio Rodriguez-Diaz (Spain) in place of Dr. J.M.M. Mendiluce

Deferred nomination

- . Mr. Shakibaeyv Ilan Isataevich (Kazakhstan)

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

New nomination

- Dr. –Ing. Klaus Röttcher (Germany)

Deferred nomination

- Mr. Zarar Aslam (Pakistan) in place of Dr. Engr. I.B. Shaikh

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

New nomination

- Dr. Roestam Sjarief (Indonesia)

Deferred nominations

- Dr. Edward Keith Weatherhead (UK)
- Dr. Juan A. Rodriguez-Diaz (Spain)
- Dr. Rolu Encarnacion y Pascua (Philippines)
- Ir. C.W.J. Roest (The Netherlands)
- Mr. Naseer Ahmed Gillani (Pakistan)

Working Group on Water and Crops (WG-CROP)

New nomination

- Dr. Koji Inosako (Japan)

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

Deferred nominations

- Dr. Jinzhong Yang (China) to replace Dr. Gao Zhanyi

- Mr. Bekbayev Ussen (Kazakhstan)
- Dr. Paramjit Singh Minhas (India) to replace Dr. N.K. Tyagi
- Mr. M. Sidhu (Pakistan) to replace Mr. Maghmoom Muhammad Iqbal/Dr. Ramzan Choudhry

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

New nomination

- M. François Chrétien (Canada)

3.3 Websites of ICID Workbodies

So far, 22 workbodies have established their web pages. The American Regional Working Group (AMRWG) is yet to set up their web page.

Item 4 : Consideration of reports of Chairs of Workbodies followed by those of respective Strategy Theme Leaders

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

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

Highlights

At New Delhi meeting, the Committee noted that the revised and updated edition of ICID Multilingual Technical Dictionary (MTD) has been published on CD-ROM, with addition of three more languages, viz. Chinese, Japanese and Russian. The quarterly *ICID Newsletter* was renamed as *ICID News*. It was decided to publish the monthly *News Update* online only with more pictures and outlay in colour. The Committee felt that the quality of the design and printing of the Annual Report should be high, in view of its importance to showcase ICID activities to other organizations. A synthesis report providing overall conclusions and recommendations of Topic 2.3 'Water and Food for Ending Poverty and Hunger' of the Theme 2 of the 5th World Water Forum was brought out and distributed to National Committees and Consortium Members. The report includes a CD-ROM giving details of the sessions, consortium and key questions. The Committee requested the Permanent Finance Committee to make sufficient budgetary provision so as to maintain the quality of the ICID website, which is viewed as the communications link outside ICID. The Committee has also recommended extending the 50% discount on sale of ICID publications to Government organizations.

The Chair will present his report at the meeting.

4.1.2 ICID Journal Editorial Board (EB-JOUR)

Highlights

At New Delhi meeting, it was reported that Dr. Hector Malano (Australia) commenced his work as Joint Editor of the Journal since January 2009, while Prof. Nick van de Giesen (The Netherlands) had already taken up the task in January 2008. The Editorial Board noted that the Journal was doing well. The Impact factor has improved from 0.480 in 2008 to 1.108 in 2009. In 2009 three sponsored Special Issues have been published A special issue (59.1) has been published with selected papers from the Lahore (2008) Congress. The new format of the Journal will be introduced by the first issue of 2011 to accommodate a few more papers per issue. The duties of the Editorial Board were updated by the Chairman, to distinguish clearly the tasks of the Joint Editors and Associate Editors and the tasks of other member of the Board.

The Chair will present his report at the meeting.

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

Highlights

Dr. Kamran Emami (Iran) was elected as the new Chairman of the WG. The WG has planned to bring out a publication on History of Irrigation in Eastern Asia titled as "Monsoon Asia History". A seminar on "History of Irrigation in Eastern Asia" will be held in Yogyakarta. WG will also organize a History Seminar on the theme "Possibilities of Using Traditional Methods in Modern Water Management Systems" during the 62nd IEC and 21st ICID Congress in Tehran, Iran in 2011.

The Chair will present his report at the meeting.

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

Highlights

At New Delhi meeting, the WG agreed to keep the existing mandate "To support research and development of technology and innovation processes for improvement of irrigation and drainage" adopted at the Sacramento meeting as its simplicity was still valued. The WG confirmed its four-year tenure (2007-2011) to complete its mandate. The WG plans to hold an internal workshop during the meeting at Yogyakarta. The WG would like to collaborate and support to a new IPTRID programme focused on technology research.

The Chair will present her report at the meeting.

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

The position of Theme Leader (ST.K) has fallen vacant due to the relinquishing of all ICID positions by VPH Alain Vidal, last year. Nominations have been invited by ICID Central Office for the vacant position of the Strategy Theme Leader. Nominations, if received, will be placed before the Committee for its consideration at the time of the meeting.

The Deputy 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' performance. The recommendations will keep in view new proposed completion date of each workbody which has been in existence for a period of six years or more.

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

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

Highlights

At New Delhi, the WG accepted the work plan for the period 2009-2012. WG has planned to organize presentations of MASSCOTE case studies from different countries at the meeting in Yogyakarta.

The Chair will present his report at the meeting.

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

Highlights

At New Delhi meeting, the IRNCID informed that the publication "Water Saving in Agriculture" had been translated into Persian language. The Panel of Judges (PoJ) of WatSave Awards has suggested to limit one nomination for each category of award by any National Committee and to add a fourth award for Farmers. Comprehensive review of Criteria and Evaluation Process for WatSave Awards took place during New Delhi (2009) meeting and recommendations have since been incorporated in the 2010 announcement. The core elements of the work plan of the WG remain the management of the WatSave award process and the proposed Tehran workshop. The WG agreed to develop a concept paper on a broader water productivity theme as a base for other activities.

The Chair will present his report at the meeting.

4.2.3 Working Group on Drainage (WG-DRG)

Highlights

As proposed by WG at the New Delhi meeting, Central Office has communicated with the National Committees of Egypt (ENCID) and Russia (RUCID) to submit formal proposals to host the 11th International Drainage Workshop. In response, the Russian National Committee (RUCID) has conveyed their willingness to organize 11th International Drainage Workshop with a focus on `Climate and Drainage' in St. Petersburg in September 2012. A 'Special Session on Drainage' was also held on 8 December 2009 on the sidelines of the New Delhi meetings. The Central Office in consultation with the WG has also initiated compilation of the database on 'World Drained Area'. A table showing region-wise drained area has been prepared and included in the agenda of the WG-DRG and also published in the ICID 'Annual Report 2009-10'.

The Chair will present his report at the meeting.

4.2.4 Working Group on the Role of Irrigation in Poverty Alleviation and Livelihoods (WG-POVERTY)

Highlights

At New Delhi meeting, WG reviewed its objectives, activities and tenure. The three-year work plan of the WG was firmed up. The WG has planned for an internal workshop at the Yogyakarta meeting. Pres. Hon. Peter Lee has agreed to act as the Chairman for the Yogyakarta meeting. Central Office has set-up a link from the ICID domain to the erstwhile TF-POVERTY website hosted by the AFEID.

The Chair will present his report at the meeting.

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

Highlights

At New Delhi, an internal workshop titled "Development and financing of irrigation schemes" was organized. It was agreed to redefine the aims of the TF in line with those presented in the background papers during the workshop. The TF stressed not to rewrite existing literature on the economic evaluation of publicly funded irrigation and drainage systems. It was decided to focus on extensive area of user charges and its associated economic influences. It was proposed to organize a set of workshops during ICID annual meetings. The members were encouraged to present on the methods of imposing user charges in their country during the TF workshop in October 2010 in Yogyakarta. Draft guidelines for case studies to be presented on "principles and practices of water charging systems in irrigation: Cross-country experiences" will also be prepared. The TF would like to propose converting the Task Force to a Working Group.

The Chair will present his report at the meeting.

4.2.6 Synthesis and recommendations by Theme Leader on Systems (ST.S)

The positions of Theme Leader and Deputy Theme Leader of Strategy Theme of 'Systems' (ST.S) have fallen vacant as Vice President Dr. W.F. Vlotman resigned the position with immediate effect since he is currently holding more than three positions in ICID; while the Deputy Theme Leader VPH Dr. Javad Farhoudi relinquished the position owing to his ill health. Nominations have been invited by ICID Central Office for the vacant positions of Strategy Theme Leader and Deputy Theme Leader on 'Systems'. Nominations as received will be placed before the Committee for consideration.

The work done by various WGs within the Strategy Theme of Systems will be synthesized and recommendations for further improvement of the workbodies will be offered. Recommendations will keep in view new proposed completion date of each workbody which has been in existence for a period of six years or more.

4.3 Presentation by Workbodies under the Strategy Theme – Basin (ST.B)

4.3.1 Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)

Highlights

The WG circulated a draft document of the WG publication - 'Irrigation under Drought and Water Scarcity' to its members for finalizing the document at the earliest. It was stated in the WG meeting in New Delhi that the Drought Management Strategies deal with the planning aspects while coping with water scarcity deals with actions or performance. Some issues related with drought management strategies were taken up. The WG opined that some case studies would be helpful in compiling ideas on how to conserve water. The compilation and studying of these case studies may result in developing new concepts on irrigation practices. Some ideas on how to approach towards rainfall management for sustainable agriculture and rain water harvesting were also discussed.

The Chair will present his report at the meeting.

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

Highlights

The WG tenure was extended up to 2010, so as to complete publication of Handbook on SDTA. To expedite the review and editing of the Handbook, an interim meeting and an internal workshop was held during 24-26 February 2009 at Taipei, Taiwan which was supported by Korea and Chinese Taipei. Dr. Park, Dr. Henk Ritzema, Prof. Kao, Dr. Eo and Dr. Hoon made their presentations. The document is to be published by ICID with the financial support from the National Committees of Korea, Japan and Chinese Taipei. The WG organized an Internal Workshop on "Monitoring Systems for Sustainable Development of Tidal Areas" on 08 December 2009 in New Delhi. The proceedings of the workshop were brought out with the support of Korean National Committee and Chinese Taipei Committee.

The Chair will present his report at the meeting.

4.3.3 Working Group on Environment (WG-ENV)

Highlights

The WG has a new mandate. The WG would like to focus on 'Impacts of irrigation and drainage projects on human health' instead of earlier emphasis only on water projects. The WG has proposed to collaborate with other WGs of ICID as well as with outside organizations like IUCN for some of its activities. Ms. Katharine Cross (IUCN) has expressed IUCN's interest to cooperate with ICID on areas of mutual interest such as 'Environmental Flows Network' in future as they would like inputs from the perspective of the agriculture sector in the network. President, ICID has suggested that the environmental flow issues as well as drainage return flows are of interest to ICID and need to be discussed within the WG-ENV, both from water quantity and quality perspective. The WG plans to publish an ICID position paper on this topic. The WG is organizing a Workshop on "Nutrient leaching from agricultural soils" on 12 October 2010 at Yogyakarta.

The Chair will present his report at the meeting.

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

Highlights

At New Delhi meeting, Mr. G.S. Purba (India) presented a summary of current flood management arrangements and operations in India and Dr. K. Emami (Iran) presented a number of examples of flood management in Iran and other countries. Dr. Emami also made a presentation on 'Value Engineering' suggesting that it is a valuable tool which may have wide applications in the field of irrigation and drainage. Agreeing to the concept of 'Value Engineering' in principle, the idea of establishing a new WG on 'Value Engineering in Irrigation and Drainage' was supported. The WG plans to propose a new mandate and work plan at the Yogyakarta meeting.

The Chair will present his report at the meeting.

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

Highlights

There was an overwhelming response in terms of attendance of members and observers at the WG meeting held at New Delhi. Dr. Shinsuke Ota (Japan) made a brief report on the discussion of climate change issues which took place at WWF-5 in Istanbul. ICID had joined the UN-Water Task Force on 'Water and Climate' through WG-CLIMATE, under the overall coordination of the World Meteorological Organization (WMO). The WG has planned for an internal workshop on "Climate Change and the Global Food Supply" at Yogyakarta. The present mandate of the WG was approved until 2011.

The Chair will present his report at the meeting.

4.3.6 Synthesis and recommendations by Theme Leader on Basin (ST.B)

The Central Office has invited nominations for the positions of Theme Leader and Deputy Theme Leader of Strategy Theme of 'Basin' (ST.B) since they have become vacant. The nominations as received will be placed before the Committee for consideration.

The work done by various WGs within the Strategy Theme of Systems will be synthesized and recommendations for further improvement of the workbodies will be offered. Recommendations will keep in view the new proposed completion date of each workbody which has been in existence for a period of six years or more.

4.4 Presentation by Workbodies under the Strategy Theme – On- Farm (ST.OF)

4.4.1 Working Group on Water and Crops (WG-CROP)

Highlights

The WG has shown keen interest in "Precision agriculture" in order to increase water and nutrient efficiency. The work carried out in one of the EU funded projects "SAFIR" was deliberated and members were encouraged to access the model developed and related documents from the project website. Advantage of using the Partial Root zone Drying (PRD) method to minimize water and fertilizer use was highlighted. The members were encouraged to get familiar with SALTMED model by providing data requirements for the model. The WG has planned for some presentations during its meeting at Yogyakarta. WG's contribution to the FAO Irrigation and Drainage paper 56 which is being used worldwide in estimating the crop water requirement and on the irrigation scheduling was acknowledged.

WG identified new areas of interest as - (i) developing techniques for rainfall harvesting, (ii) multi-functionality of water use in paddy cultivation, and (iii) adaptation of agriculture to climate. The WG has planned to organize a workshop on "Water Savings Practices in Agriculture" at Yogyakarta.

The Chair will present his report at the meeting.

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

Highlights

The tenure of the Group has been extended until 2013. Dr. Frans Huibers, Secretary has represented ICID and also made presentation at the inaugural meeting of the UN-Water Taskforce on Wastewater in Geneva, Switzerland on 9 June 2010. The Group has planned a few presentation at the Yogyakarta meeting.

The Chair will present his report at the meeting.

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

Highlights

A half-day special session on "Micro irrigation" was held on 8 December 2009 at New Delhi. Central Office in consultation with the WG has been updating the database on 'Sprinkler and micro irrigated areas' in ICID members

countries. This data is often referred by many international organizations. As per the latest data, a total of 42 million ha are covered by sprinkler and micro irrigation worldwide.

A Workshop on "The New Hose Reel Sprinkler Machines for the Reduction of Economic Water and Energy Costs" was held on 3 June 2010 at the University of Florence, Italy. The workshop was organized by the Italian National Committee (ITAL-ICID) in collaboration with the Association of Manufacturers of Irrigation Machines (AMIS) of Italy. Preceding the workshop, a 3-day study tour to see operation of the hose reel irrigation machines on farmers' field was organized. WG Chair, Executive Secretary, Central Office and two professionals from the Federal Ministry of Agriculture and Water Resources, Nigeria participated in the field study tour.

The final version of the paper "Micro Irrigation for Smallholder and Greenhouses" by Prof. Y. Nakano (Japan) was proposed to be published by ICID after final review. The Group has prepared its work plan up to 2012.

The Chair will present his report at the meeting.

4.4.4 Synthesis and recommendations by Theme Leader on On-Farm (ST.OF)

Theme Leader will synthesize the work done by various WGs within the Strategy Theme of On-Farm and offer his recommendations for further improvement of the workbodies. Recommendations will keep in view new proposed completion date of each workbody which has been in existence for a period of six years or more.

Theme Leader VPH Dr. Saeed Nairizi will also make a presentation on the Strategy Theme 'On-Farm' during the 61st IEC meeting in Yogyakarta on 15 October 2010.

Item 5 : New Task Forces and Workbodies

At the New Delhi IEC meeting PCTA Chair informed about the creation of new three Task Forces, viz. "Sedimentation of Reservoir", Water for Bio-Energy and Food" and "Compilation of Information on River Basins".

PCTA had suggested preparing background paper in respect of TF on 'Sedimentation of Reservoir' and TF on 'Compilation of Information on River Basins' for discussion at Yogyakarta. PCTA had supported creation of the TF on 'Water for Bio-Energy and Food (TF-BIO-ENERGY)' in view of its possible impact on food production. Mr. Laurie Tollefson (Canada) has agreed to chair the TF. Nominations have been invited from National Committees for TF membership.

Creation of the WG on Capacity Development will be taken up in the forthcoming Management Board meeting in Yogyakarta. A background paper on capacity development prepared by Prof. Tom Franks, former Chairman of erstwhile WG on Capacity Building, Training and Education (WG-CBTE) will be placed before MB for consideration.

President Hon. Bart Schultz, who spearheaded ICID's contributions to the 5th World Water Forum, will coordinate ICID inputs to the 6th World Water Forum through a Task Force constituted for this purpose. The first meeting of the Task Force will be held at Yogyakarta to chalk out a work plan and modalities.

B. ITEMS FOR INFORMATION

Item 6 : ICID's Cooperation with International Organizations

6.1 UN Organizations

- ***UN-Water***

ICID is one of the partner organizations of the UN-Water. ICID was invited to participate in the shaping of the World Water Development Report (WWDR-4). ICID has been identified for collaborating/contributing in the challenge areas such as (i) State of the Resource, (ii) Food and Agriculture, (iii) Allocating Water, (iv) Valuing Water, (v) Investing in Infrastructure, its Maintenance and Operation and (vi) Impacts of Desertification, Land Degradation and Drought on Water Resources. ICID was invited in the preparatory process leading up to COP15, and Secretary General offered his comments during the preparatory process.

A MoU was signed between ICID and UNW-DPC on Capacity Development for Water in Agriculture and the MoU came into effect from April 2010 for two years. A copy of the MoU is given on page.23 of IEC Agenda.

In pursuance of the 'Framework of Cooperation' signed between ICID, UNW-DPC and FAO, a workshop will be held at Yogyakarta on 8-9 October 2010. Case studies of application of FAO's "AquaCrop" model will be presented. It is hoped that the workshop will greatly help current and future AquaCrop users to run the model and to improve the crop water productivity in their environment.

The UNDP led waterwiki.net was initiated some four years ago geographically covering essentially the ECE region and focusing primarily, although not exclusively, on water governance issues. While UNDP is facilitating development and maintenance of waterwiki.net, several other members of UN-Water, including ICID are actively supporting the initiative.

ICID has been invited for participation at the 16th International Fair for Water, Sewage, Refuse and Recycling (IFAT 2010) to be held in Munich, Germany from 13-17 September 2010. The German National Committee was requested to actively participate in IFAT 2010. UNW-DPC has been liaising with ICID to develop a poster and also to exhibit some key ICID publications and brochures during the period of the exhibition.

ICID also received an invitation from UNEP to participate in the meeting of the UN-Water Taskforce on Wastewater in Geneva, Switzerland on 9 June 2010. Dr. Frans Huibers (The Netherlands) has attended the meeting on behalf of ICID/ WG-PQW.

- **Food and Agriculture Organization (FAO)**

ICID was invited to various meetings and sessions of FAO from time to time. Prof. Dr. Maria Elisa Venezian Scarascia, Secretary General, ITAL-ICID is ICID's permanent representative for FAO meetings held in Rome.

ICID was represented at the 139th Session of the FAO Council held in Rome, Italy from 17-21 May 2010.

As a follow-up of an MoU signed between ICID, UNW-DPC and FAO in the field of Capacity Development for Water in Agriculture, a side event will be organized on "Improving farm management strategies through AquaCrop: Worldwide collection of case studies" from 08-09 October 2010 in Yogyakarta, Indonesia. The Capacity Building exercise handled in the recent past by FAO and UNW-DPC especially in Africa and Asia will be assessed for its effectiveness while some policy recommendations will be attempted during the workshop.

FAO and ICID were partners in a Symposium on Water Savings held in Tirupati, India on 08 March 2010 highlighted ICID's significant role in the global concerning issues like 'food security' and 'water for food'. This was followed by a two-day National Conference on "Food Security through Water Security" which was held in Ahmedabad on 26-27 March 2010. Secretary General delivered a key note and chaired the Session on "Water for Food Security".

FAO and Iranian National Committee of ICID (IRNCID) hosted a training course on "Mapping System and Services for Canal Operation Techniques (MASSCOTE) in Khuzestan Province, Iran from 24 April to 04 May 2010. Seventeen Iranian experts attended the training course.

- **World Water Assessment Programme (WWAP)**

The triennial World Water Development Report (WWDR) is the United Nations System flagship report on water, which is a comprehensive review of the state of the world's freshwater resources. So far three editions of the World Water Development Report have been brought out. The last one was in Istanbul during the 5th World Water Forum in March 2009 with the title "Water in a Changing World". It is the result of collaboration and effort among the 26 members of UN-Water, country partners, non-governmental organizations, a technical advisory committee, expert groups and hundreds of contributions from stakeholders through global public consultations.

Secretary General Gopalakrishnan represented ICID during the preparation of the 3rd WWDR as the member of the Technical Advisory Committee of the WWAP. ICID is also involved in the review exercise of chapters related to water related drivers of World Water Development Report 4. These cover (i) Technology, (ii) Economics and Security (two research papers to be considered by this group), (iii) Agriculture, (iv) Ethics, Society, and Culture, and Politics and Governance (v) Water Resources and Ecosystems, (vi) Climate Change, (vii) Infrastructure, and (viii)

Demographics. Reponses received from the National Committees were collated and sent to the Coordinator, WWAP and UNESCO for further action. The WWDRs are usually released during the World Water Forums.

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

ICID has a Permanent Observer status at the Executive Board of Governing Council of IFAD. ICID was invited to participate in their 33rd Session of the Governing Council held on 11-15 February 2010 in Rome, Italy. Vice President, ICID, Prof. Lucio Ubertini represented ICID at the IFAD Governing Council and attended a side event on "The role of smallholder agriculture and family farming in Asia and Latin America and options for South-South cooperation".

- **World Meteorological Organization (WMO)**

World Climate Conference-3 (WCC-3) was held from 31st August to 4 September 2009 in the United Nations Center in Geneva, Switzerland, under the aegis of WMO. Dr. C.-A. Vuillerat, President, Swiss National Committee of ICID (CH-AGRAM) represented ICID at the Conference. WCC-3, which brought together more than 2000 climate scientists, sectoral experts and decision-makers, established a Global Framework for Climate Services "to strengthen production, availability, delivery and application of science-based climate prediction and services".

ICID was also invited to their following meetings:

- Intergovernmental Meeting for the High-Level Task Force (HLT) on the Global Framework for Climate Services (GFCS), Geneva, Switzerland, 11-12 January 2010
- 15th Session of the Regional Association V (South-West Pacific) of WMO, Bali, Indonesia, 30 April – 06 May 2010
- 15th Session of the Commission for Agricultural Meteorology (CAgM) of WMO, Belo Horizonte, Brazil, 15-21 July 2010
- 15th Session of the Commission for Instruments and Methods of Observation (CIMO) of WMO, Helsinki, Finland, 02-08 September 2010

ICID's representation was organized through its National Committees in the region/country.

WMO's limited support extended to a few delegates from Mekong Basin countries to join a special session to discuss Mekong River basin issues, in New Delhi in December 2009 during the 60th IEC Meeting and 6th Asian Regional Conference, was well appreciated.

- **UNESCO**

ICID has excellent cooperative arrangements with IHP-UNESCO. The ICID Central Office received an invitation from the International Hydrological Programme (IHP) for the 19th Session of the Intergovernmental Council of the IHP to be held at UNESCO Headquarters in Paris, from 05-09 July 2010. The French National Committee (AFEID) was requested to represent ICID at the session.

6.2 World Water Council (WWC)

ICID as the Coordinator of Topic 2.3 "Water and Food for Ending Poverty and Hunger" under Topic 2 "Advancing Human Development and the Millennium Development Goals (MDG)" of the 5th World Water Forum had assembled the significant outcome from the Forum in the form of a ''Synthesis Report' and distributed among ICID National Committee and Consortium Partners. It has also been uploaded on ICID website.

The 6th World Water Forum will be held in Marseille, France from 16-22 March 2012 on the theme "Solutions for Water". President Hon. Bart Schultz, who spearheaded ICID's contributions to the 5th World Water Forum, will coordinate ICID's inputs to the 6th World Water Forum. The kick-off meeting for WWF-6 was held in Marseille on 3rd and 4th of June 2010. Approximately 300 participants representing States, international institutions, parliamentarians, local governments, NGOs, trade unions, businesses and experts attended this first meeting. The major challenge of the 6th Forum will result in concrete commitments from associations, municipalities and heads of State. The priorities pointed out by the working groups refer to the uses of water in the fields of health, agriculture, energy and the economy. ICID was represented at the kick-off meeting by Dr. François Brelle, President, French

National Committee (AFEID) and two of its representatives Mr. Michel Ducrocq and Mr. Jacques Plantey. Mr. Loïc Fauchon, President of the World Water Council (WWC) invited ICID to contribute for "Food" soon after the 'kick-off' meeting. Dr. Ben Braga, President, International Forum Committee for the 6th WWF, in his communication to ICID highlighted 'Food' as a key issue after health. The issues such as 'Balancing Multiple Uses' and 'Land Uses' are other issues that might interest ICID also. The second consultation meet on WWF-6 will take place in France from 18-19 November 2010.

In response to an invitation for attending World Water Council (WWC) – Members' Meeting in Shanghai on 26 June 2010, Dr. Gao Zhanyi, Vice President Hon., ICID represented ICID during the meeting.

6.3 International Water Management Institute (IWMI)

ICID extended an opportunity to IWMI to organise a Special Session (IWMI, FAO, ICID) on the theme "Future of Irrigation in Asia" on 09 December 2009. This session provided an opportunity for the representatives from various countries on the prospects and threats that Asian irrigated agriculture faces and future directions require.

ICID received an invitation for the International Workshop on "Tackling Water and Food Crisis in South Asia: Insights from the Indus-Gangetic Basin" (Challenge Program on Water and Food {CPWF} Basin Focal Project for the Indus-Gangetic Basin) held at New Delhi from 2-3 December 2009 with IWMI playing the lead with a host of global and national partners from the four basin countries. Indus-Gangetic basin is one of the most populous in the world and given the diversity of agro-climatic, social and economic conditions in the four riparian countries – Pakistan, India, Nepal and Bangladesh. It is clearly one of the most complex river basin systems in the world. Management of IGB water resources presents some formidable challenges and, therefore, the project was initiated to identify steps to be taken towards integrated management of the IGB's water and land resources in order to ensure the future sustainability of all production and ecosystem in the basin. The project was launched in April 2008 with the objective of conducting basin-wide analysis of the conditions, constraints and opportunities for improve agricultural water productivity and alleviating poverty through high potential interventions. Secretary General Gopalakrishnan participated in the workshop.

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

ICID Central Office acting as the IWALC Secretariat circulated the summaries of the activities of IWALC members on regular basis. For quite some time, IWALC meetings could not be organized since the member organizations find it increasingly difficult to come together due to financial constraints.

6.5 International Standards Organization (ISO)

ICID has been participating in the ISO Technical Committee TC23/SC18 (Irrigation and Drainage Equipment). With the cooperative arrangements between two organizations, ISO is invited to ICID's International Executive Council (IEC) as a Permanent Observer.

ICID regularly participates in ISO's various activities through its National Committees in the countries where the meetings are held. The 29th meeting of TC23/SC18 will be held in Adelaide, Australia on 18-23 October 2010 succeeding 61st IEC meeting and 6th Asian Regional Conference in Yogyakarta. Australian National Committee was requested to represent ICID at the meeting where it is proposed to discuss about bringing out a joint ICID-ISO publication "Irrigation Equipment Standards" which is delayed for quite some time.

6.6 McGill University, Montreal, Canada

The Board of Governors, McGill University at its meeting held on 25 May 2010 formally approved the creation of the McGill Institute of Global Food Security in the Faculty of Agricultural and Environmental Sciences at McDonald Campus in Canada.

This year's McGill Conference on Global Food Security will be held from 19-21 October 2010 in Montreal. In response to an invitation from Prof. Dr. Chandra Madramootoo, President, ICID and a James McGill Professor and Dean of Faculty of Agricultural and Environmental Sciences at the McGill University, Secretary General, ICID has agreed to be a keynote speaker to provide a presentation on the developments in irrigation, drainage and water resources to meet the demands for food by the Indian population over the next 10-20 years.

6.7 The World Bank

The association of the World Bank in ICID activities continued to gain strength. World Bank extended a limited support to enable participation of representatives from countries who have financial difficulties in ICID annual meetings. World Bank support enabled the participants from Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan and Ukraine to attend a Special Session on Aral Sea Basin organized during the New Delhi ICID events.

6.8 Asian Development Bank

ICID has been invited by Asian Development Bank (ADB) to join a Conference on "Water Crisis and Choices" to be held in Manila from 11-15 October 2010. The Conference will focus on the "water-food-energy nexus, questions of efficiency gains, and managing demand for water in light of climate change". The Conference will cover the principal water concerns in Asia. President Hon. Keizrul bin Abdullah agreed to represent ICID at the Conference and handle ICID's contributions to Session 2.2 on "Technologies in Irrigated Agriculture, Costs and Benefits" under Theme 2 on "Water in Food: Productivity Gains". The Central Office supplied a background paper on this topic and the draft of which was circulated amongst National Committees in the region for supplementing specific information to amplify good case studies and examples.

Secretary General, ICID had a meeting with Mr. Arjun Thapan, Special Senior Advisor to the President for Infrastructure and Water and Vice Chair of the WEF Global Council on Water Security, Asian Development Bank at ICID Central Office on 12 May 2010 where Secretary General also invited other senior officers of the Govt. of India. The objective of the meeting was to consider the report on India's Water Challenge on Water based on the outcome of the World Economic Forum at Davos this year spearheaded by ADB. Mr. Thapan indicated the prospects of joint work supporting Government agencies and other water related organizations to look at critically future scenarios and options. ADB subsequently organised a conference on "India Water Dialogue" on 8 July 2010 which was attended by Secretary General. SG made special contributions on "Water Use Efficiency in Agriculture" wherein ICID's WatSave Awards, related issues concerning efficiency' were also highlighted.

6.9 Global Water Partnership

Vice President Hon. Mohamed Ait Kadi, President of the General Council of Agricultural Development in Morocco was invited by GWP to take over as Technical Chair of the body. His new assignment helps bring ICID and GWP closer given his strong connections with both the organizations.

ICID was invited to attend GWP Side Event on "Water, Adaptation and Development" which was held in Bonn, Germany on 07 June 2010 to present the outcomes of the dialogues, discuss how to accelerate progress on adaptation, and suggest how global action can be mobilized through current frameworks. German National Committee was requested to represent ICID at the Session.

Item 7 : ICID Congresses/Conferences

7.1 61st IEC and 6th Asian Regional Conference, Yogyakarta, Indonesia, 10-16 October 2010

The Indonesian National Committee of ICID (INACID) is organizing the 61st International Executive Council meeting and 6th Asian Regional Conference from 10-16 October 2010 in Yogyakarta, Indonesia. The Conference focuses mainly on the theme "Improvement of irrigation and drainage efficiency through participatory irrigation development and management under the small land holding conditions" and papers will be presented and deliberated under five subthemes of the Conference.

The preparations for the IEC and Conference are satisfactory well. The schedule of various workbody meetings, workshops, seminars, special sessions and Conference sessions has been finalized and details are available on Conference website http://www.icid2010.org and can also be accessed through ICID website.

7.2 62nd IEC and 21st International Congress on Irrigation and Drainage, Tehran, Iran, 15-23 October 2011

The 62nd International Executive Council Meeting and 21st International Congress on Irrigation and Drainage together with 8th International Micro-Irrigation Congress will be hosted by the Iranian National Committee of ICID (IRNCID) from 15-23 October 2011 in Tehran, Iran. The main theme of the Tehran Congress is "Water productivity

towards food security". The Call for Papers have been finalized and circulated amongst ICID National Committees/Committee, water-related International Organizations and others for wider dissemination among the potential authors inviting papers for presentation under two Congress Questions, Special Session, Symposium and History Seminar. A number of workshops/seminars/special sessions will also be organized on various topics in conjunction with the Congress. A dedicated website http://www.icid2011.org giving the Congress details has been created by IRNCID where 2nd Announcement and Congress Call for Papers have been uploaded.

7.3 24th European Regional Conference, Orleans, France, 14-16 March 2011

At New Delhi IEC meeting, the French National Committee's proposal to host 24th European Regional Conference on the theme "Groundwater Resource: An Essential Resource to be Saved and Managed" at Orleans, France in December 2010 was accepted. The Conference will now be held from 14-16 March 2011. AFEID has created a Conference website www.groundwater-2011.net where detailed information is available.

7.4 25th European Regional Conference, Groningen, The Netherlands, 16-20 May 2011

The 25th European Regional Conference on the theme "Integrated water management for multiple land use in flat coastal areas" will be hosted by The Netherlands National Committee from 16-20 May 2011 in Groningen, The Netherlands. The German National Committee will be the co-host of the event. The call for papers inviting papers for the Conference has been issued and uploaded on the Conference website: www.icid2011.nl.

7.5 3rd African Regional Conference, Mali, September 2011

The 3rd African Regional Conference, as approved in Lahore and New Delhi IEC meetings, will be held in Mali in September 2011. The Mali National Committee (AMID) is yet to finalize the topics and subtopics, and other finer details of the Conference.

7.6 63rd IEC and 7th Asian Regional Conference, Adelaide, Australia, 24-29 June 2012

As approved at the New Delhi IEC meeting, the Australian National Committee will host the 63rd IEC Meeting and 7th Asian Regional Conference on the theme "Regional Cooperation for Water & Food Security" at Adelaide, Australia from 24-29 June 2012. An Irrigation Australia Limited (IAL) Conference on the theme "Droughts, Floods, Environment; Managing Consumptive Water Needs Sustainably" together with an exhibition will also be organized in conjunction with the IEC meetings.

7.7 65th IEC and 22nd International Congress on Irrigation and Drainage, Seoul, Korea, 2014

The Korean National Committee (KCID) will be hosting the 65th IEC meeting and 22nd ICID Congress in 2014.

The Central Office has invited suggestions from National Committees/Committee for the Theme, Topics (and sub-topics, where relevant) for the Congress Questions (Nos.58 and 59), Special Session and Symposium for the above Congress. A Special Team for Evolving Optimal Program for the Congress will be constituted at Yogyakarta that includes 2 members of PCTA in addition to the Convenor, who will be nominated by the host National Committee. The Team will consider the suggestions received from the National Committees and develop detailed scope of the topics and subtopics proposed for the 22nd Congress. The draft proposals of the Special Team will be available at the PCTA meeting for further suggestions.

Item 8 : Any other business

APPENDIX XI [PCTA Item 4.1.3]

Agenda for the Thirteenth Meeting of the
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)
Yogyakarta, Indonesia
11 October 2010: 09.00-12.30 hours

Strategy Theme: Knowledge

Year of Establishment: 1998 **Completion of the Mandate: 2014**

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

The WG will also focus on governance, institutions and management issues of irrigation and drainage systems, sustainable development and integrated water management in rural areas.

Members: (1) Dr. Kamran Emami, Chairman (Iran, 2009); (2) Dr. Hubert Toussaint, Secretary (The Netherlands, 2005); (3) Prof. N. Hatcho (Japan, 1998); (4) VPH Dr. Ricardo S. Graino (Spain, 1998); (5) Mrs. F. Sinatti (Italy, 1998); (6) Mrs. Xuming Tan (China. 1998); (7) VP Dr. Illahi B. Shaikh (Pakistan, 2000); (8) VP Dr. Laszlo Hayde (Hungary, 2001); (9) Mr. Satit Maneepai (Thailand, 2002); (10) Mr. Jean Verdier (France, 2003); (11) VP Dr. Hafied A. Gany (Indonesia, 2005); (12) Mr. Charles L. Abernethy (UK, 2005); (13) Dr. Ing. Klaus Roettcher (Germany, 2006); (14) Prof. Wen-Pin Shu (Chinese Taipei, 2006); (15) Dr. Jeong-Woo, Na (Korea, 2007); (16) Mr. Yogesh Paithankar (India, 2009); and (17) Secretary General, ICID.

Permanent Observers: (i) Dr. (Mrs.) B. Dolfing (The Netherlands); and (ii) Dr. Ir. M. Ertsen (IWHA).

Website: <http://www.wg-hist.icidonline.org>

Item 1 : Confirmation of minutes of the 12th meeting of WG-HIST

The minutes of the 12th meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

Item 2 : Review of membership of the Working Group

No new nominations have been received by the Central Office for the membership of the WG.

At the New Delhi meeting, the nomination of Mr. Zarar Aslam (in place of Dr. I.B. Shaikh) as proposed by the Pakistan National Committee (PANCID) was deferred to Yogyakarta meeting in 2010. In response to the Central Office's request (July 2010), PANCID confirmed the nomination of Mr. Aslam. He is likely to be available during the meeting.

Non-participation/ contribution

Members who were neither present at the meetings nor contributed through correspondence for the last two consecutive years are:

- Prof. Zorko Kos (Croatia)
- Mr. Aliyu Jada (Nigeria)
- Dr. Alexus Vogel (Austria)

At the New Delhi (2009) meeting, it was decided to continue the membership of Mrs. F. Sinati (Italy), Mr. Satit Maneepai (Thailand) and Mr. Jean Verdier (France), in view of their involvement in the current WG-activities related with their countries. During the meeting, it was also decided to make one final request to NCs of Croatia, Nigeria and Austria for fresh nominations or else the membership of Croatia, Austria and Nigeria in the WG-HIST may be terminated.

The Central Office (CO) has contacted the above NCs in July 2010 and informed the decision of the WG to the concerned NC and requested to ensure their participation in the Yogyakarta (2010) meeting or nominate a fresh member who could contribute to the activities of the WG. Responses are awaited.

Attendance of the members at the meetings of the WG-HIST held in 2008 and 2009 will be tabled during the meeting.

A. CONTINUING ITEMS

Item 3 : Report by the Chairman on progress made by the National Working Groups (NWG) on their assignments

At the New Delhi (2009) meeting, the group noted that history chapters from member countries are in preparation. Prof. Hatcho informed that he was in contact with Sri Lanka (Ms. Bhadra Kamaladasa of Sri Lanka Irrigation Department) for an electronic version of the chapter on the History of Sri Lanka as a part of publication on Eastern Asian History of Irrigation.

The group also observed that a person from USA to contribute to above publication is yet to be identified. However, Prof. Hatcho informed that a comparative history of the US Army Corps of Engineers and the Dutch Rijkswaterstaat was being written and would be ready by end of 2010 to be presented to the WG-HIST. The Central Office is in contact (July 2010) with Prof. Hatcho on the subject. Response is awaited.

During the meeting (2009), a publication "*History of Irrigation Development in Orissa"* was presented by Indian National Committee (INCID). The Central Office requested (July 2010) INCID to provide a copy of the above publication and other regional/ Indian irrigation history publications for its wider dissemination. INCID has agreed to provide the above publication and other publications, if available, to the WG/Central Office. Publications are awaited.

Prof. Hatcho/Chairman may apprise the WG members.

Item 4 : Progress on publishing *'Monsoon Asia History'*

At the New Delhi (2009) meeting, Prof. Hatcho apprised the members on the progress on "*Monsoon Asia History*" (*earlier History of Irrigation in Eastern Asia*). He informed the group that the Dutch comment was e-mailed in November 2009 which focused on the variation in the size of the national contributions to the *Monsoon Asia History.* Prof. Hatcho agreed to continue with his work. He undertook to present a more concise version and a synthesis.

During the meeting, Chinese National Committee (CNCID) was requested to send an updated electronic version on the '*Chinese History of Irrigation'* published in 2005. Accordingly, the Central Office requested (July 2010) Mr. Xuming Tan/ CNCID to provide a soft copy of the publication for dissemination. Response is awaited.

Prof. Hatcho/ Dr. Toussaint may like to apprise the WG members.

Item 5 : Progress on publishing History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean

At the New Delhi (2009) meeting, Prof. Ricardo Segura (Spain) presented a print of a bilingual updated draft version on "*Reflections on the History of Irrigation, Drainage and Flood Control in Spain"*. At the request of the

Central Office, Prof. Segura has provided a soft copy and the Central Office has circulated (July 2010) the draft version to all the members of the WG for their perusal/comments. Responses are awaited.

VPH Segura/ CERYD representative may like to apprise the WG members.

Item 6 : Cooperation with International Water Organizations

At the New Delhi (2009) meeting, the group noted the information provided by Dr. Klaus Röttcher (Germany) on the phase-I of the Project and that of writing a compendium with a focus on Mediterranean area and the Middle East. The group also noted the information on short courses on the world history of water management, provided by Dr. Hayde.

During the meeting, the group encouraged members to submit papers for the new Journal 'Water History' and also possibly participate in the International Conference on Water History during 16-19 June 2010. The Central Office requested (July 2010) Dr. Maurits Ertsen (The Netherlands) to forward the summary/ outcomes/ highlights of the conference for its dissemination among WG members and ICID community at large. In response, Dr. Ertsen provided a short report of the conference as attached in **Annex.**

Dr. Ertsen/ NETHCID representative/ Dr. Hayde may apprise further developments at the meeting.

Item 7 : Website of WG-HIST

At the New Delhi (2009) meeting, Prof. Hatcho briefed the members on the current status of the WG website <http://www.wg-hist.icidonline.org/> and encouraged members to facilitate accessing information related to WG activities.

Accordingly, the Central Office requested (July 2010) all members to provide necessary documents/ reports/ publications and other information related to the WG activities for uploading on the website. Response is awaited.

The Chairman may apprise the WG members.

Item 8 : Work plan

- **History Seminar at Yogyakarta, Indonesia in October 2010**

At the New Delhi (2009) meeting, Dr. Hafied A. Gany (Indonesia) proposed to organize a History Seminar of the WG on *'History of Irrigation in Eastern Asia'*, focusing especially on the use of modern water technology in 2010 during the 61st IEC meetings in Yogyakarta, Indonesia. During the meeting, Dr. Gany informed that the seminar will focus on historical evolution of an irrigation system and associated governance mechanisms, as well as adaptation measures (innovative mechanism or technology) to cope with rapidly changing economic, social and environmental conditions surrounding irrigated rice farming, in particular under small land holding, high sediment transportation, and high water fluctuation (drought and flood).

Accordingly, the seminar on '*History of Irrigation in Eastern Asia*' will be held on 13 October 2010 at Yogyakarta, Indonesia during 61st IEC. The sub-topics for the seminar are:

1. technology (efficient water use, water productivity increase, water savings) and infra structural development
2. management of organization (water users' association, leadership, organizational setup)
3. institutional and legal frameworks (rules, enforcement of rules, fee collection, federation of association, laws and regulations)
4. governance system (water governance structure, conflict resolution)
5. hydraulic structures and management of irrigation system

6. sustainable development
7. comparative perspectives

The Central Office circulated (11 March 2010) the '*Call for papers'* among all National Committees, Chairs and members of ICID workbodies, Office Bearers of ICID and International Organizations and requested them to contribute their valuable papers to the history seminar. Members were encouraged to submit their papers and actively participate in the seminar. The Central Office sought (7 July 2010) information on the status of papers received, names of the INACID speakers, other invited speakers and other relevant information. Dr. Emami (Iran) informed Dr. Gany that all the WG members are ready to help in reviewing the abstracts and papers, if so desired. Response is awaited.

Dr. Gany/ INACID representative may like to apprise the members.

- **History seminar at Tehran, Iran in October 2011**

At the New Delhi (2009) meeting, it was also proposed to organise a History Seminar during the 62nd IEC meeting and 21st ICID Congress on Irrigation and Drainage in October 2011 at Tehran, Iran. During the meeting, Dr. Kamran Emami (Iran) had distributed the 2nd announcement of the Tehran Congress amongst members and invited them to contribute to the History Seminar on *'Possibilities of Using traditional Methods in Modern water Management Systems'.*

The Central Office requested (July 2010) Dr. Emami to provide an update on the preparations and detailed planning of the History Seminar. In response, Dr. Emami agreed to prepare a short report and circulate it to all.

Dr. Emami/ IRNCID representative may like to apprise the members.

Item 9 : New name and mandate of the Working Group

At the New Delhi meeting, the WG decided to maintain the original name of the WG and as far enlarging WG's mandate was concerned, the focus will be on governance, institutions and management issues of irrigation and drainage systems, sustainable development and integrated water management in rural areas. This new focus has been added to the earlier mandate.

The WG members may deliberate.

B. NEW ITEMS

Item 10 : Discussion on Sustainability through History

At the New Delhi (2009) meeting, Dr. Kamran Emami (Iran) proposed to start a virtual discussion on sustainability through history. Accordingly, the Central Office requested (July 2010) Dr. Emami to provide an update on the preparations and detailed planning to initiate the virtual discussion. In response, Dr. Emami proposed a joint conference by ICID and UNESCO (involving IWHA) and will circulate a proposal amongst the WG members for their feedback.

Dr. Emami may apprise the WG members.

Item 11 : Any other business

Book: Locales of happiness – Dr. Maurits Ertsen

Dr. Maurits Ertsen, Chairman, WG-MIS (The Netherlands) has brought out a book *"Locales of happiness – Colonial irrigation in the Netherlands East Indies and its remains".* The book provides valuable information about Colonial irrigation in the Netherlands, East Indies and its remains.

ICID Central Office has disseminated the book announcement amongst all National Committees and members of Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST) with a request to circulate it to the relevant academic institutions and interested professionals within their country.

Members may contact Dr. Ertsen at his e-mail: m.w.ertsen@tudelft.nl for more information.

Annex [Appendix XI, Item 6]

WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)

International Conference on Water History
16-19 June 2010, Delft, The Netherlands

The International Conference on Water History was organized by the International Water History Association (IWHA) in Delft, The Netherlands, from 16-19 June 2010. The conference was co-organized by IWHA and Water Resources, Delft University of Technology and UNESCO-IHE. Around 120 participants from all over the world, from Finland to South Africa, from Japan to the US and from Mexico to Australia, attended the conference and used this unique opportunity to exchange existing and to develop new insights about the history of one of our most precious resources.

In the opening session, water history from the host country the Netherlands, was discussed. During the conference, dedicated sessions on the Middle East were sponsored by the International Hydrological Program of UNESCO. Within a diverse program, links between science/engineering and history were discussed, as well as what history and current practice may tell each other. Subjects in sessions ranged from rivers to drops, from seas to mountain lakes. A special pre-conference workshop on irrigation was held on Wednesday 16 June 2010.

Participants experienced and discussed how it is to irrigate, what it means to be dependent from an irrigation system in terms of management, their position in the system (upstream or downstream), and their own irrigation strategies. The conference highlighted during several occasions – including the welcome reception, opening session, conference party and closing session – the new journal of IWHA, Water History, with Springer. Conference participants were encouraged to submit their papers to the journal and many have expressed an interest in doing so.

More information is available at <www.waterhistory2010.citg.tudelft.nl>.

APPENDIX XII [PCTA Item 4.3.3]

Agenda for the Second Meeting of the
WORKING GROUP ON ENVIRONMENT (WG-ENV)
Yogyakarta, Indonesia
11 October 2010 : 09.00-12.30 hours

Strategy Theme: Basin

Year of Establishment: 2008 **Completion of the Mandate: 2014**

Mandate: To provide guidance to policy makers, planners, designers, and managers in the irrigation and drainage sector on the environmental aspects of drainage and irrigation systems. The environmental aspects are physical, chemical, ecological, socio-economic and cultural, as well as concerns to the effects on climate and human health. By looking at environmental aspects, the working group will aim for the management of a sustainable environment, maximizing positive and minimizing adverse effects of irrigation and drainage systems".

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 (The Netherlands, 2005); (4) Mr. Barkat Hadid (Syria,1991); (5) Dr. Smiljan Juvan (Slovenia, 1995); (6) Dr. (Mrs.) Shaden Abdel-Gawad (Egypt, 1996); (7)VPH Ing. Eiko. Lubbe (Germany, 1997); (8) Prof. Almeida Fernandes (Portugal, 1997); (9) Mr. Mohammad Kazem Siahi (Iran, 2000); (10) Mr. Osmo Antero Purhonen (Finland, 2002); (11) Mr. Stefano Salbitani (Italy, 2003); (12) Dr. Choi, Joong-Dae (Korea, 2003); (13) Mr. Belguenani Hassane (Morocco, 2003); (14) Prof. Dr. Natha Hungspreug (Thailand, 2003); (15) VPH Jose A. Ortiz Fdz.-Urrutia (Spain, 2005); (16) Dr. Dennis Wichelns (USA, 2005); (17) VP Dr. Illahi B. Shaikh (Pakistan, 2006); (18) Prof. Dr. N. Hatcho (Japan, 2006); (19) Mr. Taner Kimence (Turkey, 2006); (20) Mr. C.K. Agrawal (India, 2009); (21) Dr. Sylvain-Roger Perret (France, 2009); and (22) Secretary General, ICID.

Note: The year (before 2008) in bracket indicates the year of joining the erstwhile WG-ENV)

Observers/Permanent Observers: (i) FAO representative; (ii) ICOLD representative; (iii) World Bank representative; (iv) Dr. D. Zimmer (France); (v) Mr. Primoz Banovec (Slovenia); (vi) VPH H. El-Atfy (Egypt); and (vii) VPH H. Malano (Australia).

Website: <http://www.wg-env.icidonline.org>

Item 1 : Confirmation of the minutes of 1st meeting of the WG-ENV

The minutes of the 1st meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

Item 2 : Membership of the Working Group

No new nomination was received by the Central Office for the membership of the Working Group.

2.1 Past nominations

The following nominations were deferred at New Delhi meeting (2009) due to non-attendance of the nominees:

- Mr. Javeed Iqbal Bokhary in place of Dr. Engr. I.B. Shaikh (Pakistan)
- Dr. Theresa Volschenk (South Africa)
- Mr. Ahmed Aziz (Iraq)

The WG may like to consider these past nominations for the membership of the WG. The Central Office informed (26 May 2010) the WG's decision to the respective National Committees with a request to confirm the nomination or

nominate a fresh professional with an assurance that the nominee would attend the Yogyakarta meeting (2010) of WG-ENV. Responses from them are awaited.

Attendance of the members at the meetings of the WG-ENV held in 2008 and 2009 will be tabled at the Yogyakarta meeting.

2.2 Non-attendance or contribution of the members

The WG observed that the following members were neither present nor contributed for the last three consecutive years (2007, 2008 and 2009).

- Dr. Smiljan Juvan (Slovenia)
- Dr. (Mrs.) Shaden Abdel Gawad (Egypt)
- Prof. Almeida Fernandez (Portugal)
- Mr. Belguenani Hassane (Morocco)
- Prof. Dr. Natha Hungspreug (Thailand)

The Central Office (CO) has contacted (26 May 2010) the above NCs and requested to ensure their participation in the Yogyakarta meeting of WG-ENV or nominate a fresh professional who could contribute to the activities of the WG. Responses from them are awaited.

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 the member. Refer to Annex 1 of PCSPOA of Agenda (page A- 10).

ICID By-law 3.1.7 which stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

2.3 Election of Chair/ Vice Chair and Secretary of the WG

Dr. Hu Heping, Chairman of the WG informed (20 January 2010) the Central Office that the election of the new Chair, Vice Chair and Secretary of the WG should be on the agenda during the WG meeting at Tehran in 2011.

Dr. Eertwegh has informed (1 July 2010) all members about the change of his job. For continuing as an ICID WG member, ICID took it up with his new employers. Dr. Hu Heping and ICID Central Office wrote to Prof. dr. Wim van Vierssen, Director, KWR (*new employer of Dr. Eertwegh*) to extend support as necessary so that Dr. Eertwegh can attend ICID meetings and contribute to the WG activities. The new employers have turned down the request. Hence it is inevitable that a new Secretary is identified during the meeting to carry on the tasks.

A ISSUES EMERGING FROM THE ERSTWHILE WG-ENV

Item 3 : The improvement of agricultural return flow and requirement of environmental flow

At the New Delhi meeting (2009), ICID President Dr. Chandra Madramootoo stated that environmental flow issues as well as drainage return flows are of interest to ICID and should be discussed within the WG-ENV, both from a water quantity and quality perspective. He also stated the importance of looking at acid-sulphur-soils, organic soils, and its environmental impacts (suitability for sustainable agricultural use, solutes in drainage water, soil subsidence etc).

The presentation on "*Improvement of agricultural return flow and requirement of environmental flow*' was postponed to Yogyakarta meeting (2010) as Mr. Stephen Mills (Australia) was not available at the New Delhi meeting (2009). ICID Central Office has requested (28 May 2010) Mr. Clarke Ballard to contact IAL-ANCID for possible presentation during the Yogyakarta meeting in October 2010. Similarly, the Central Office also requested (28 May 2010) the Chairman to contact the authors of the recommendations of the conference on "Environmental flows of Himalayan Rivers" held in July 2009 in India for possible cooperation and/or presentations of results in future. Responses from them are awaited. INCID representative is being approached to facilitate this process.

Chairman/ IAL-ANCID representative/ Mr. Ballard and INCID representative may like to apprise the members.

B ISSUES EMERGING FROM THE NEW WG MANDATE

Item 4 : Environmental aspects of irrigation and drainage projects

(Scope needs to be developed and responsibilities assigned)

Item 5 : Impacts of irrigation and drainage projects on human health

(Scope needs to be developed and responsibilities assigned)

Item 6 : Management of a sustainable environment (maximizing positive and minimizing adverse effects of irrigation and drainage systems)

(Scope needs to be developed and responsibilities assigned)

Item 7 : Website of WG-ENV

At the New Delhi meeting (2009), the Chairman informed that the work on website is still pending and he will take appropriate actions. Accordingly, the Central Office requested (28 May 2010) the Chairman to initiate action. In the meanwhile the Central Office has set up a website of the WG and it will be improved further.

Chairman may apprise the members.

Item 8 : ICID position paper of WG-ENV

During the 1st meeting, it was agreed that Dr. Ge van den Eertwegh would act as an editor and coordinator for the draft report of WG-ENV to be served as a draft ICID position paper and following structure / sections were approved for modifying the draft version:

- Introduction and objective
- Environmental impacts
- Good Governance
- Guidelines and Criteria (references and remarks to existing documents)
- Implementation aspects
- Legislation and Enforcement
- Lessons learned
- Conclusions and recommendations

During the meeting, it was suggested to define and focus on 3 to 4 sub-themes only. It was further suggested that the WG may link the position paper to objectives and mandate of WG-ENV and the length of the paper may be between 5 to 10 pages.

ICID Central Office requested (28 May 2010) Dr. Eertwegh to expedite the preparation of the position paper. However, Dr. Eertwegh informed (1 July 2010) of his unavailability for WG activities (refer Item 2.3).

WG may take a view.

Item 9 : Workshop on 'Nutrient leaching from agricultural soils' on 12 October 2010

As per the suggestion in the 1st meeting of the WG-ENV held at New Delhi in December 2009, a Workshop on '*Nutrient leaching from agricultural soils'* has been scheduled be held on 12 October 2010 at Yogyakarta, Indonesia during 61st IEC meetings.

The theme of the workshop is '*Nutrient leaching from agricultural soils: loads to groundwater and surface water systems and water quality issues'*. The sub-themes for the workshop are:

- Environment: quality standards soil - groundwater – surface water systems, including ecology
- Good Agricultural Practice: nutrient use, crop efficiency, and environmental sustainability
- Law and legislation: environment, water quality management, and agriculture
- Field experiments and monitoring data
- Modeling of nutrient leaching
- Efficient and effective measures to reduce nutrient leaching from agricultural soils: sharing experiences
- Environmental nutrient loads: from upstream to downstream issues
- Scale issues: from field to region to basin systems approach

ICID Central Office has circulated (25 March 2010) the '*Call for Papers'* to all National Committees, Chairs and members of ICID workbodies and International Organizations to submit the abstract(s) of the paper(s) to the workshop convener - Dr. GAPH van den Eertwegh (The Netherlands). So far, 5 abstracts have been received.

Members and others are requested to participate in the above workshop and enrich the proceedings.

Chairman may apprise the members.

Item 10 : Work plan of the WG

During the 1st meeting (2009), it was decided that a three-year rolling work plan (2010-2012) be prepared as a follow-up of the position paper and Chairman would help in setting up the action plan.

Dr. Eertwegh, Secretary circulated (December 2009) an inquiry form to all members of the WG-ENV and requested to fill up and provide necessary information so that he can update the work plan (2010-2012).

ICID Central Office requested (28 May 2010) the Chairman/Secretary to expedite the preparation of the work plan so that it can be tabled at the Yogyakarta meeting in October 2010. Response is awaited.

Chairman/ Secretary may apprise the members.

Item 11 : Any other business

- **Freshwater Ecosystem Monitoring Working Group**

ICID Central Office has circulated (17 December 2009) an e-mail received from Ian Harisson (USA) to all members of the WG and requested their contribution to 'Freshwater Ecosystem Monitoring Working Group' as part of eight working groups that form GEO BON (Group Earth Observations Biodiversity Observation Network).

- **UNW-DPC**

In response to the call for contributions on existing materials related to climate change by the UNW-DPC, some organizations have responded by providing their existing available documents and providing their links. ICID Central Office has circulated (26 May 2010) the request for documents/ links as received to the members of the WG-ENV.

APPENDIX XIII [PCTA Item 4.2.3]

Agenda for the Twenty-eighth Meeting of the
WORKING GROUP ON DRAINAGE (WG-DRG)
Yogyakarta, Indonesia
11 October 2010 : 09.00-12.30 hours

Strategy Theme: Systems

Date of Establishment: 1983 **Completion of the Mandate: 2013**

Mandate:

- To promote drainage as part of integrated water resources management; and
- To promote sustainable approaches for drainage and related projects through a balanced integration of (1) environmental, (2) economic, and (3) social and cultural aspects.

Members: (1) VP Dr. W.F. Vlotman, Chairman, 2001 (Australia, 2000); (2) Dr. James Ayars, Vice Chairman, 2007 (USA, 2005); (3) Mr. Bernard Vincent, Secretary (France, 2007); (4) VPH Prof. B. Maticic (Slovenia, 1987); (5) VPH M.H. Amer (Egypt, 1988); (6) Mr. I. Dakar (Syria, 1991); (7) Dr. M.S. Adamu (Nigeria, 1992); (8) PH Ir. Keizrul bin Abdullah (Malaysia, 1994); (9) Dr. Chung Sang-Ok (Korea, 1996); (10) Mr. Chen, Hung-Kwai (Chinese Taipei,1997); (11) Ms. Wang Shaoli (China, 1999); (12) Dr. E. Christen (Australia, 2000); (13) Dr. Mohammad Bybordi (Iran, 2000); (14) Dr. M. Nawaz Bhutta (Pakistan, 2002); (15) Mr. Rauno Peltomaa (Finland, 2002); (16) Dr. (Ms.) Waltina Scheumann (Germany, 2003); (17) Mr. AT van Coller (South Africa, 2006); (18) Ms. Nurgul Uzucek (Turkey, 2006); (19) VP Shinsuke Ota (Japan, 2006); (20) Dr. H. Fahmy (Egypt, 2006); (21) Dr. Yurii Yanko (Russia, 2006); (22) Dr. Gurbachan Singh (India, 2008); and (23) Secretary General, ICID.

Permanent Observers / Observers: (i) FAO representative; (ii) World Bank representative; (iii) President Chandra. A. Madramootoo (Canada); (iv) IPTRID representative; (v) PH Aly M. Shady (Canada); (vi) PH Bart Schultz (The Netherlands); (vii) VPH H. Malano (Australia); and (viii) VPH Safwat Abdel-Dayem (Egypt).

Website: <http://www.wg-drg.icidonline.org>

Time schedule of the meeting:

At the outset, Chairman will propose the time allocation for discussing of the Group's agenda as follows:

A. General business	--- minutes
B. Work plan	--- minutes
Tea/ coffee break	--- minutes
C. Presentations/ Workshop / Summary	--- minutes

A. GENERAL BUSINESS

Item 1 : Confirmation of the minutes of the 27th meeting of the Working Group held at New Delhi

The minutes of the 27th meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

Item 2 : To review membership of the Working Group

The Estonian National Committee (ESTCID) has nominated Mr. Mati Tonismae (Estonia) for the membership of the Working Group. CV of Mr. Tonismae will be tabled at the meeting.

As decided at the New Delhi meeting in December 2009, the Central Office has informed the WG decision of terminating of the nominations of Mr. Ahmed Mohammad Aziz, and Dr. Anzeim Carl Albertovitch to the National Committees of Iraq and Kazakhstan, respectively due non-attendance of the meeting consecutively for the last three years. As proposed by the WG, the Central Office has requested the National Committees of Iraq (IRQCID) and Kazakhstan (KAZCID) to send a fresh nomination for the membership of the WG for consideration at the Yogyakarta meeting. Responses are awaited.

Attendance of members at the meetings held in 2008 and 2009 will be circulated at the meeting.

B. WORK PLAN

Item 3 : Activities of the Working Group

3.1 Technologies for reducing polluted drainage water and quality improvement

At the New Delhi meeting, Mr. Azim Ashayeri (representing Dr. Mohammad Bybordi, Iran) had proposed to contribute on the topic "Technologies for reducing polluted drainage water and quality improvement".

Accordingly, the Central Office has requested Mr. Ashayeri to prepare a paper/ note on the topic and send to Dr. J. Ayars (USA) with a copy to Dr. W.F. Vlotman, Chairman. Response is awaited.

IRNCID representative or the Chairman may like to apprise the further developments at the meeting.

3.2 Impact of climate change on drainage.

At New Delhi meeting (2009), Mr. Bernard Vincent (France) had volunteered to make presentations on "*Impact of climate change on drainage*" – based on the recent experiences in Maghreb and Australia, at the Yogyakarta meeting.

Mr. Vincent will make his presentation at the meeting.

3.3 Societal perception of drainage

Mr. Bernard Vincent also had volunteered to make presentations on "*Societal perception of drainage*" – based on the recent advances in France, at the 28th meeting of the WG at Yogyakarta.

The Central Office in July 2010 requested Mr. Vincent to make contribution at the Yogyakarta meeting in October 2010.

Mr. Vincent will make the presentation at the meeting.

3.4 Updating database on 'Drained area in the world'

PH Bart Schultz presented and discussed 'Drainage and Irrigation Database' at the New Delhi meeting. The intention was to include a table on 'Drained area in the world' in the ICID Annual Report by updating the prevailing/ original data.

Accordingly, the Central Office attempted to prepare a table of the 'Region-wise world drained area' using the CEMAGREF database and that compiled by the Central Office during the last three years. The Central Office contacted National Committees of Ireland (IRCID), Netherlands (NETHCID), and Lithuania (LNCID) to confirm their drained areas. In case of the Netherlands, for example, the drained area reported includes that from urban area too. The data as received from these NCs has been incorporated in the table.

In consultation with Chairman Dr. Vlotman, the first draft version of the 'World drained area' has been included in the ICID Annual Report 2009-10. The drained area shows the total of both irrigated and rainfed areas. Due to non-availability of the drained area data separately for irrigated and rainfed areas in the most countries, it was not possible to show it in the table. The table will be circulated at the meeting.

Members are requested to update/ provide correct data shown in the table by communicating with the Chairman/ Central Office.

The WG has proposed to identify regional representatives who will be charged to retrieve information pertaining to the countries of the region. Central Office will continually revise/ update the database based on the data received from National Committees and other credible sources.

Chairman may like to further apprise the group about the database compilation.

Item 4 : Workshops/ Special Sessions sponsored by the Working Group

4.1 11th International Drainage Workshop

At the New Delhi meeting, the group noted that the series of International Drainage Workshops (IDWs) organized by the Group are becoming event(s) of global importance. The Group would like to continue organizing the IDW on regular basis. The 10th IDW was held at Helsinki in July 2008 and was a great success.

At the 59th IEC meeting held at Lahore, the Egyptian National Committee (ENCID) offered to host the 11th International Drainage Workshop along with the 63rd IEC in 2012, if approved by the IEC. At the 60th IEC meeting, the Russian National Committee (RUCID) has also proposed to organize 11th IDW in 2012 with the focus on 'Climate and Drainage'. The WG proposed that both NCs will be invited to forward formal proposals for consideration at the Yogyakarta meeting of the WG.

Accordingly, the Central Office requested both ENCID and RUCID to send their formal proposals. In response, RUCID has indicated their willingness to host the 11th IDW from 16-20 June 2012 and submitted the dully filled-in application form to the Central Office (a copy was forwarded to Dr. Vlotman by the CO). VP Dr. Vlotman vide his e-mail of 14 July 2010 to RUCID has requested to propose other dates for IDW11 as these are very close to the 63rd IEC which will be held from 24-29 June 2012 in Adelaide, Australia. VP Dr. Vlotman being Chairman of the both WG-DRG and ANCID will remain busy in organization of the ANCID/IAL event.

Response from ENCID is awaited.

Chairman may like to take stock of further developments at the meeting and suggest, as appropriate.

4.2 Annual Internal Workshop of the Group

Since the recent past, the Group has been organizing internal workshops on the sidelines of its annual meetings. In these workshops, members voluntarily make presentations on the topic of their countries' interests.

At the New Delhi meeting, it was proposed that the Iranian National Committee (IRNCID) may be approached to explore if a workshop on the theme bioprocesses in irrigation and drainage can be held at Tehran in 2011 that might open the door to other domains like mitigation techniques (also see item 6).

The Central Office has requested the IRNCID to prepare a concept note/ paper on the above topic and send it to Mr. Bernard Vincent for perusal and to discuss at the meeting. Response is awaited.

Mr. Vincent/ IRNCID's representative may like to provide feedback at the meeting.

Item 5 : Contribution to the website DRAINLINE

At the 27th meeting held at New Delhi, Dr. Vlotman, Chairman expressed that due to his new occupation/ engagement he will not be able to allocate time in contributing to the website and proposed that in future, the website will be maintained and operated by the Central Office.

Accordingly, the Central Office has been updating the website 'DRAINLINE' in consultation with the Chairman. All members of the WG are requested to visit the webpage <http://www.wg-drg.icidonline.org/> and contribute relevant information like viz. books, manuals, technical papers, proceedings of the national workshops, interesting pictures, new software, useful links etc. by communicating with the Central Office (icid@icid.org).

Item 6 : Other business

- **Special Session of Drainage held at New Delhi on 8 December 2009**

Indian National Committee (INCID) in close consultation with Dr. W.F. Vlotman, Chairman has organized a half-day Special Session on Drainage on 8 December 2009 on the side lines of the 60th IEC/ 5th ARC held at New Delhi. The special session was chaired by Dr. Vlotman and coordinated by Dr. Gurbachan Singh (India).

The special session was attended by all members and many observers. The highlights of the presentations are shown as **Annex.**

Referring to the presentations and subsequent debate related to bio-drainage at the special session, PH Bart Schultz reminded the group that the biodrainage technique is not without danger. It was suggested to invite observations/ comments on the topic of biodrainage from amongst the group members. Considering the experience of Iran in the domain of bio-saline agriculture the similarity of both the techniques (bio-drainage and bio-saline agriculture) stood acknowledged but more discussions would be useful. WG may consider.

- **9th International Drainage Symposium, 13-16 June 2010, Quebec City, Canada**

The 9th International Drainage Symposium was held from 13-16 June 2010 in conjunction with the 17th World Congress of the International Commission of Agricultural Engineering (CIGR) at Quebec City, Canada. The symposium was organized by the American Society of Agricultural and Biological Engineers (ASABE).

Mr. Bernard Vincent has attended the symposium and may like to brief the key highlights, outcome of the event at the meeting.

- **Linkedin Agricultural Drainage Group**

Dr. W.F. Vlotman in April 2010 has informed all members of the WG about the launch of Agricultural Drainage Group by him via the Linkedin and invited members to join the group. He said that the Linkedin Agricultural Drainage Group is a professional network open to all those persons interested in the networking in the agricultural drainage community. Members are requested to get in touch with VP Dr. Vlotman to join the LinkedIn.

Chairman may like to explain about the LinkedIn.

C. PRESENTATIONS/WORKSHOP/SUMMARY

Item 7 : Presentations from members/ member countries

- **Presentation by Indonesian National Committee (INACID)**

Mr. Bernard Vincent (France) was to contact Indonesian National Committee (INACID) for its possible presentation at Yogyakarta meeting.

INACID representative will make presentation at the meeting.

- **Presentation by French National Committee (AFEID)**

Mr. Bernard Vincent has volunteered to make presentation on 'constructed wetlands to mitigate drainage pesticide effluent' at Yogyakarta meeting.

Item 8 : General discussion and summary of the meeting

Annex [Appendix XIII, Item 6]

WORKING GROUP ON DRAINAGE (WG-DRG)

Proceedings of Special Session on Drainage, 8 December 2009, New Delhi

Considering the significant contribution of irrigated agriculture to global food security and the need for provision of some form of drainage to sustain its productivity, a Special Session on Drainage was organized during the 60th IEC Meeting and 5th Asian Regional Conference on 8 December 2009. The objective of the session was to highlight the key developments in the area of drainage for semi- arid and humid regions including socio- economic and environmental issues, drainage materials and advanced diagnostic and prognostic tools.

Dr. Gurbachan Singh, Director and Dr. S.K. Kamra, Head, Division of Irrigation and Drainage Engineering, CSSRI, respectively were the coordinator and co- coordinator for the session. The Session was chaired by Dr. W.F. Vlotman. The following is the gist of the presentations made during the session:

1. Emerging contaminants in surface and drainage waters (Speaker: Dr. Shiv O. Prasher, McGill University, Canada)

Dr. Prasher elaborated upon the emerging and challenging problem of surface and groundwater pollution through non- point organic toxicants like pharmaceuticals. Pharmaceuticals used for human and intensive veterinary medicines for cattle are entering into the food chain through soil, surface and ground water, river and drinking water systems. The treatment plants are not equipped to deal with these contaminants, which have serious implications on aquatic, animal and human life and soil organisms. The concern of pollution by pharmaceuticals is growing in developed as well as developing countries, in particular after confirmation of their presence and ability to pseudo-persist in the environment. There is an urgent need to understand different dimensions of the problem and to find preventive and remedial measures. Dr. Prasher also presented encouraging results on the use of constructed wetlands as effective biogeochemical filters to remove various organic and inorganic pollutants from waste waters in Canada.

2. An overview of subsurface drainage research in India (Dr. Dr. S.K. Kamra, Head, Irrigation and Drainage Engineering Division, CSSRI, Karnal, India)

Dr. Kamra presented an overview of the systematic research conducted in India since 1980s on subsurface drainage for amelioration of waterlogged saline soils. Besides briefly covering the drainage works undertaken by other agencies, he provided detailed results on soil, hydro- geo- chemical characteristics and features of subsurface drainage systems and materials, introduced and evaluated by CSSRI, alone or in association with state universities and departments in Haryana, Rajasthan, Gujarat, Andhra Pradesh, Karnataka and Maharashtra. Till today, subsurface drainage projects of 800- 1200 ha pilot area each have been implemented in 7500 ha area in farmers' fields in Haryana and about 40,000 ha throughout India. Dr. Kamra also covered the socio- economic issues on acceptance and operation of large scale subsurface drainage projects and options for disposal and management of saline drainage effluent. He emphasized three researchable issues of controlled drainage, application of field and regional models in association with remote sensing, GIS and geophysical (resistivity, electro- magnetic) techniques for characterizing, planning and management of regional salinity and drainage projects.

3. Installation of large scale subsurface drainage system- A case study of Chambal command area, Rajasthan (Speaker: Mr. C.M. Tejawat, Command Area Development, Kota, Rajasthan, India)

Mr. Tejawat presented historical development of measures undertaken to control waterlogging and soil salinity in Chambal command of Rajasthan during 1990s. These measures included starting from on-farm development (OFD) works during 1970s to subsurface drainage under Rajasthan Agricultural Drainage (RAJAD). He provided details on investigations, design, monitoring and evaluation of subsurface drainage installed on farmers' fields in about 15000 ha area including socio- economic issues like cost effectiveness and compensation provided to farmers for crop loss during installation. He also provided details of complete station system and computer aided design and drafting software used extensively for regional survey and design activities in RAJAD. It was concluded that subsurface drainage is a successful technology for control of water table and soil salinity and to improve crop yields and was working satisfactorily with least maintenance. A recommendation that envelope is not needed in soils having more than 40% clay and SAR < 15 has implication for other drainage projects.

4. Waterlogging control by subsurface and bio-drainage (Speaker: Dr. H.S. Chauhan, Retired Dean, PG Studies, GB Pant University of Agriculture and Technology, Pantnagar, India)

Dr. H.S. Chauhan presented an overview of historical backdrop, strengths and limitations of different drainage approaches such as surface drainage, ditch drainage, vertical drainage, subsurface drainage and bio-drainage in India. He emphasized the need to integrate different options and derive suitable mechanisms to control waterlogging and soil salinity for sustainability of agriculture and environment. There was in-depth discussion on the adoption of highly transpiring *Eucalyptus* and other trees (bio- drainage) for control of waterlogging, particularly as a preventive seepage control measure in the vicinity of canals and as well as in appropriate agro- forestry models.

5. Sustainable agricultural drainage, drivers, benchmarking and KPIs as part of IWRM (Speaker: Dr. W.F. Vlotman., ICID Theme Leader Systems and Chair, Working Group on Drainage, Australia)

Dr. Vlotman defined new drivers for subsurface drainage projects besides social, economic and conventional environmental indicators. New drivers of drainage and irrigated water resources management deal with environment, modernization and climate change issues to ensure basin – level sustainability based on uniform water laws. The features and scope of recent management tools and models such as DRAINFRAME, MASSCOTE and Global Reporting Initiatives, being used in Australia, were discussed in the context of benchmarking of drainage schemes with key performance indicators to evaluate the success of any project or organization in achieving the targeted objectives and vision. The importance of improvement in real time monitoring and evaluation infrastructure of drainage and water resource projects in South Asian countries was also emphasized.

APPENDIX XIV [PCTA Item 4.1.4]

Agenda for the Third Meeting of the
WORKING GROUP ON TECHNOLOGY AND RESEARCH UPTAKE AND EXCHANGE (WG-TRUE)
Yogyakarta, Indonesia
11 October 2010 : 13.30-17.00 hours

Strategy Theme: Knowledge

Year of Establishment: 2007 **Completion of the Mandate: 2011**

Mandate: To support research and development of technology and innovation processes for improved irrigation and drainage

Members: (1) Prof. L. Vincent, Chairperson, 2007 (The Netherlands, 1995); (2) Dr. (Mrs.) Shaden Abdel-Gawad, Vice Chairperson, 2007 (Egypt, 2001); (3) Dr. John A. Replogle, Secretary, 2007 (USA, 1999); (4) VP Prof. L. Ubertini (Italy, 1989); (5) Mr. A. Delacourt (France, 1995); (6) Mr. J. Lelkes (Hungary, 1998); (7) Mr. Sietan Chieng (Canada, 2001); (8) Dr. (Mrs.) Irene Bondarik (Russia, 2001); (9) Prof. Jiesheng Huang (China, 2003); (10) Prof. J.G. Annandale (South Africa, 2003); (11) Prof. Yuanhua Li (China, 2003); (12) Mr. Geoff Pearce (UK, 2003); (13) Mr. Ezzatollah Farhadi (Iran, 2005); (14) Dr. K. Palanisami (India, 2005); (15) Dr. Mohammud Che Husain (Malaysia, 2005); (16) Mr. Stephen Mills (Australia, 2005); (17) Mr. Ian William Makin (UK, 2006); (18) Dr. Enrique Playan (Spain, 2006); (19) Dr. Kazumi Yamaoka (Japan, 2009); (20) Mr. Indra Raj (India, 2009); (21) Mexican representative (MXCID); (22) Nigerian representative (NINCID); (23) Indonesian representative (INACID); and (24) Secretary General, ICID.

Permanent Observers: (1) IPTRID; (2) FAO Representative; (3) World Bank Representative; (4) IWMI Representative; (5) PH Peter Lee (UK); (6) Mr. Campoare Moussa Laurent (ARID-Burkina Faso); (7) VPH Dr. Hussein El-Atfy (Egypt); and (8) Dr. H. Fahmy (Egypt, 1995).

Website: <http://www.wg-true.icidonline.org>

Item 1 : Confirmation of the minutes of the 2nd meeting held in New Delhi

The minutes of the 2nd meeting of the group held at New Delhi in December 2009 will be confirmed.

Item 2 : Review of membership, including new nominations

The Indonesian National Committee (INACID) has nominated Dr. Moch. Basuki Hadimuljono (Indonesia) for the membership of the Working Group. CV of Dr. Hadimuljono will be tabled at the meeting for consideration.

At the 2nd meeting of the WG-TRUE, it was decided to take necessary follow-up action regarding the situation resulting from the merger of the two erstwhile Working Groups namely – a few cases where more than one member coming in. The Central Office has requested CNCID (China), INCID (India), and ICID.UK (UK) to advise any one of the two for membership of the merged workbody - WG-TRUE. Responses from these NCs are awaited.

Members who neither attended the WG meeting nor contributed to WG activities through correspondence for the last two consecutive years are:

- Mr. J. Lelkes (Hungary)
- Mr. Sietan Chieng (Canada)
- Mr. Alain Delacourt (France)

The Central Office has contacted the concerned National Committees in March 2010 with a request to ensure their participation in the 3rd meeting of WG-TRUE or to nominate a new member who could contribute to the activities of the group. Response is awaited.

Attendance of the members at the meetings held in 2008 and 2009 will be tabled at the meeting.

Item 3 : Mandate of the Working Group

At the New Delhi meeting, the WG discussed its mandate - "To support research and development of technology and innovation processes for improvement of irrigation and drainage". There was some debate on whether this mandate should be expanded to included reference to technology uptake. However, the WG agreed to keep this mandate owing to its simplicity. It was also decided that the Chairperson will formulate objectives for this mandate and related key themes for the work plan and also indicate the work on technology uptake.

During the meeting, two objectives were proposed:

- To support R&D (which looked more at innovation processes), and
- Research to improve irrigation and drainage, where impact of research was noted as a particular concern.

The Chairperson agreed to develop this formulation with members and use it as a guide to 'Call for Papers' for the workshop.

WG also discussed on topics of importance for research in irrigation and drainage and proposed as follows:

- Research on tools that facilitate the production and productivity of crops,
- Research that facilitate modernization, and
- Farmers' participation in research.

It was decided that the Chairperson will follow up on the second topic with the Working Group on Modernization of Irrigation Systems (WG-MIS).

Chairperson will apprise further developments at the meeting.

Item 4 : Tenure of the Working Group

At the New Delhi meeting, the WG reviewed and confirmed its four-year tenure for completing its mandated plan by 2011.

Item 5 : Activities of the WG-TRUE

At the 2nd meeting held at New Delhi, the WG decided to organize a workshop at the 2010 meeting during the allocated time for the WG meeting. WG also proposed to prepare a set of papers for presentation either at the workshop at Yogyakarta or submit to Question 56.2: Innovations and technologies and best practice for sustaining and/ or increasing water and land productivity of the 21st ICID Congress to be held in Tehran, Iran in October 2011.

During the meeting, members identified the following topics for presentations at the workshop/ meeting:

- Prof. Linden Vincent (Netherlands) – Farmer uptake of sprinkler technologies in Peru
- Dr. Kazumi Yamaoka (Japan) - Technology facilitating communication between farmers and service agencies
- Mr. Indra Raj (India) - The development and impact of agro-meteorological forecasting for irrigated production
- Dr. Mohammud Che Husain (Malaysia) - Understanding lack of technology uptake
- Mr. Ezzatollah Farhadi (Iran) – Research on needs to improve production and productivity

The Central Office has communicated with all the above persons to provide their presentations to Prof. Vincent, Chairperson well in advance of the meeting.

Chairperson wills brief the updates at the meeting.

5.3 Follow-up from the 5th World Water Forum recommendations

At the New Delhi meeting, the group recommended to maintain its focus on the key activities as per the above. However, it is recognized that the WG should also concern about some of the recommendations of the Topic 2.3 'Water and Energy for Ending Poverty and Hunger' of the 5th World Water Forum, coordinated by ICID.

ICID has brought out a 'Synthesis Report' of the Topic 2.3. The report includes the key issues of the Theme 2: 'Advancing Human Development and the Millennium Development Goals (MDG)', the key questions of Topic 2.3, and overall conclusions and recommendations on the topic.

One of the priority actions by local governments in least developed and emerging countries to operationalise implementation of the recommendations of the Topic 2.3 is – strengthening the transfer and dissemination of irrigation and drainage technological and management skills from professional experts in governments and international organizations to the farmers' irrigation and drainage management organizations.

WG may like to suggest follow up action in line with the above recommendations.

5.4 Questionnaire for the Working Group

As proposed by the WG at its Lahore meeting in 2008, a questionnaire was prepared to invite experiences & views on research uptake and exchange from National Committees, members, observers. It was circulated in March 2009 to all National Committees and members of the WG. Prof. Vincent, Chairperson has compiled all the responses received from various members/ national committees and discussed them at the New Delhi meeting. The group appreciated these inputs but felt that they were small in number. The responses received from countries show different structures and processes used in research, as well as a different problem focus and relation to farmers as shaped by a country's irrigation management context.

The responses received for the question – how the research activities benefit to the infrastructure development in irrigation and drainage sector were categorized as follows:

(i) *Reducing associated cost: Explain facts findings through case studies*

Responded by - Iran, China, Philippines, Spain, Pakistan, USA

(ii) *Improving crop yields and water savings by way of adopting appropriate cropping patterns/ irrigation methods/ practices: Explain with facts findings through case studies*

Responded by - Iran, China, Philippines, Spain, Pakistan, USA

(iii) *Implementing better operation and management: Explain with facts findings through case studies*

Responded by - Iran, China , Philippines, Spain, Pakistan, USA

(iv) *Formulating policies and framing up of institutional/ organizational set up: Explain with facts findings through case studies*

Responded by - Iran, Philippines, Spain, Pakistan, USA

The WG will decide on the follow-up action based on the outcome of the questionnaire.

5.5 Revamping IPTRID

At the New Delhi meeting, PH Peter Lee (UK) informed the group that IPTRID in its older proposed structure has ceased to exist, and currently is an FAO sub-organization without a manager. He had indicated that there will be a fresh initiative from the President, ICID to revitalize a new independent programme focused around technology research. Subsequently, two key initiatives/ MoUs from IRNCID and CNCID were emerged as follows:

- A Memorandum of Understanding (MoU) for bilateral collaboration between ICID and Ministry of Energy, Islamic Republic of Iran, through Iranian National Committee (IRNCID) was signed on 10 December 2009 at New Delhi during the 60th IEC. According to MoU, Iran will launch a Centre for an international

programme of research and technology in irrigation and drainage and develop a plan of action as soon as possible.

- During the visit of President Chandra Madramootoo to China in May 2010 he met Mr. Chen Lei, Minister of Water Resources, P. R. of China along with the Office Bearers of the Chinese National Committee (CNCID). The Minister has indicated that the China will support strengthening IPTRID by setting up a 'Research and Training Centre on Irrigation and Drainage' in China, and holding a workshop on irrigation and drainage in May 2011. The MoU between ICID and CNCID will be signed at the 61st IEC meeting to be held on 15 October 2010 at Yogyakarta, Indonesia.

The WG would welcome such initiatives and extend its support by way of collaboration. Chairperson may like to apprise updates.

Item 6 : Webpage of the workbody

At the 2nd meeting held at New Delhi, the Working Group suggested that the past papers from special sessions would be uploaded on the WG webpage <http://www.wg-true.icidonline.org>.

Accordingly, the Central Office in March 2010 has requested the Chairperson to transfer the soft copy of the papers for uploading on the webpage for its wider dissemination. Response is awaited.

Prof. Vincent, Chair will apprise on the progress on the development of the website.

Item 7 : Research and Capacity development in irrigation and drainage

- At the New Delhi meeting, WG was asked to consider adding capacity building to its mandate. However, the WG observed that the capacity building is a very broad topic and there is a difference between technology research - which require understanding of the needs of users and systems. The 'capacity building' should focus on the needs of the people using the technology. The issue was discussed at the PCTA meeting which recommended that Central Office prepare a position paper on 'capacity building'. Accordingly, the Central Office requested Prof. Tom Franks, Chairman of the erstwhile WG-CBTE to prepare a concept paper. In response, Prof. Franks has provided a draft concept paper. The draft concept paper is given as **Annex**.

  Members may like to provide their observations on the paper.

- At the New Delhi meeting Mr. Indra Raj (India), Dr. Kazumi Yamaoka (Japan), and Dr. Ortiz (Spain) apprised the group about their country's' key research projects and research institutes relevant to the activities of the WG. Information from Malaysia, Iran and South Africa was also presented for discussion. It was proposed that this information along with the past information on research structures and approaches with the WG -R&D will be compiled.

  WG may consider developing the idea further.

- FAO/UNW-DPC/ICID workshop on *'Improving farm management strategies through Aquacrop: Worldwide collection of case studies' will be held as a* side event preceding the 61st International Executive Council (IEC) and 6th Asian Regional Conference (ARC) on 8-9 October 2010 at Yogyakarta, Indonesia. The event will be jointly organized under the framework of cooperation between FAO/ UNW-DPC/ ICID, as a follow-up of the MoU, signed between ICID and UN-Water Decade Programme on Capacity Development (UNW-DPC).

  The Central Office has publicized this event through ICID News Update/ ICID News, website and also by circulating it among all National Committees. The outcome of the workshop will be circulated at the meeting for information.

  WG may like to provide its observations/ comments to PCTA.

Item 8 : Any other business (with the permission of the Chair)

Annex [Appendix XIV, Item 7]

WORKING GROUP ON TECHNOLOGY AND RESEARCH UPTAKE AND EXCHANGE (WG-TRUE)

CAPACITY DEVELOPMENT FOR IRRIGATION AND DRAINAGE: THE ROLE FOR ICID

The importance of capacity development

The irrigation and drainage sector faces increasingly challenging times. These challenges arise partly from the growing competition for water and environmental services, both within the sector and from other sectors, which might to some extent be characterized as technical challenges. In addition there are rising challenges arising from social and economic development, as standards of living rise and increasing emphasis is put on human rights, capabilities and wellbeing. These challenges from both the technical and social domains require increasing capacity and capability from those working within the sector, whether as farmers, water users, managers or service providers. ICID therefore has a continuing need to remain active in the field of capacity development for irrigation and drainage, and to provide on-going leadership, in partnership with others, in supporting innovative and effective approaches to capacity development.

ICID's past experience

ICID has past experience in the topic through the Working Group on Capacity-Building, Training and Education (WG-CBTE), which ran from 1997 to 2007. Ultimately the outputs from WG-CBTE were quite substantial[1] but it suffered from many of the well-known problems of working groups, particularly in its early years. It took a very long time to start any meaningful activities, partly due to problems with leadership in its early years but mainly because it was impossible to obtain any long-term commitment by the membership. Meetings were held at each IEC or Congress but the participants were usually standing in for the substantive members and had neither the background nor understanding of the concepts of capacity development that were emerging. It also proved impossible to carry through any systematic work, such as the dissemination of a questionnaire on the needs or provision of capacity development in ICID member countries, due to lack of resources and interest.

However, during this early period, assistance was given to FAO in the development of a database of training provision in the irrigation and drainage sector, by encouraging institutions in member countries to enter their courses on the website. This database is still available on FAO's website[2], though it appears not to have been updated since 2005.

It was not until 2003 that a more active programmed of work was initiated, initially in partnership with FAO and then more closely with IPTRID. Both of these partners brought their own experience of capacity development to the activities of WG-CBTE but, particularly, were able to provide a flow of (relatively modest) resources to support a series of workshops. These workshops took place as follows:

- 2003, Montpellier – covering the framework and concepts of capacity development
- 2004, Moscow – planning for capacity development
- 2005, Beijing – implementing capacity development programmes
- 2006, Kuala Lumpur – monitoring and evaluating capacity development.

Proceedings were published from each of these workshops and the 2003 event also resulted in the publication of FAO Water Report no. 26, Capacity Development in Irrigation and Drainage: Issues, Challenges and the Way Ahead.

WG-CBTE was wound up in 2007, with the publication of a special issue of the journal Irrigation and Drainage (volume 57, no. 3). The editorial summarized the work of the WG-CBTE over the previous years and brought together key articles from the previous workshops, and elsewhere, to highlight the lessons learnt.

The way ahead

Since some time has elapsed since the winding up of WG-CBTE in 2007, it may be appropriate for ICID to reconsider and re=engage with the topic. The following sections provide some recommendations on the way ahead:

Building on existing experience and knowledge

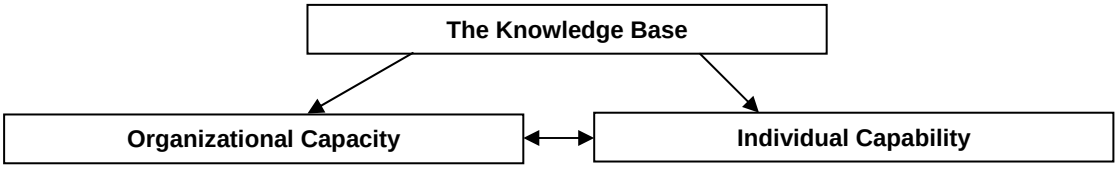
The previous section highlights that there is considerable experience and knowledge on the topic, both within ICID itself and elsewhere. For ICID this comprises the outputs from the workshops, the special issue of I&D and the WGCBTE

[1] http://www.wg-cbte.icidonline.org/
[2] http://www.fao.org/landandwater/cdwa/

website, which is still accessible. Outside of ICID there is a wealth of resources to build on, including the work done by various UN agencies (including FAO) and specifically the newly-established UN-Water Decade Programme on Capacity Development. Clearly any further work undertaken through ICID must build on the platform of work already done and take account of the activities of others.

Establishing the theoretical framework

WG-CBTE used as the basis of its work a theoretical framework for capacity development originally developed under the auspices of the UN and which characterized it as having three domains or levels: the policy environment – the organization level – the individual level. Quite late on, WG-CBTE added a fourth dimension, the knowledge base. This framework of four dimensions formed the basis for the concluding editorial and special issue of I&D. Reflecting on the experience of WQG-CBTE and the range of activities that it was able to undertake, it is suggested that it might be better to focus on three themes for any future work, as shown below.



The importance of the policy environment is acknowledged but it is also important for many other aspects of I&D development, and not just capacity development. Widening the scope of the activities of the working group to include the policy environment made it difficult to focus and make real progress on the specific issues of the knowledge base, individual capabilities and organizational capacity. ICID is, of course, particularly well-placed to develop the knowledge base in the sector, through the activities of its various working groups.

A strategic plan of activities.

The potential weakness of the working group system within ICID is well recognized, and efforts must be made to avoid the problems that occurred to WG-CBTE with the non-attendance of members in successive meetings. One way to do this is to work on shorter timescales, effectively from one year to the next, since participants may be able to see their way clear to attending two successive meetings but not beyond that.

In addition, any future ICID working group should avoid making commitment for sustained data collection or other similar activities, since it would not be in a position to deliver on these. Instead the working group's comparative advantage probably lies in the collection and analysis of case studies, which illuminate how the processes of capacity development actually work. Therefore an important focus could be in assembling some evaluation or impact studies, particularly of organizational capacity development, which are less commonly undertaken than those for training and capability development for the individual.

One early activity would be to formulate a position paper on capacity development, for adoption by NCs at the next meeting. The previous WG-CBTE did not take the opportunity to do this, and thus was not able to gain widespread support and recognition for their work from the NCs. This could then form the context and basis for a subsequent work programme.

However, the most important task for the newly-formed working group is to establish a working relationship with a potential partner as soon as possible, so that a stream of funding and support can be identified. This does not have to be large but must be sufficient to ensure some continuity of input over the life of the working group. It is understood that discussions are already in hand with the UNW-DPC[3], who would seem an excellent partner for the future. Indeed a Memorandum of Understanding on future partnership working between ICID and UNW-DPC has already been signed in February 2010, and there is also a framework of co-operation drafted with UND-WPC and FAO on a side event at the 6th Asian Regional Conference on "Improvement of irrigation and drainage efficiency under small landholding condition". This topic could be characterized as part of the knowledge base of irrigation and drainage. The interest from the perspective of a working-group on capacity development is how this knowledge is successfully incorporated into the capabilities of individuals and organizations, to improve outcomes for the sector.

A meeting with UNW-DPC to map out the possibilities, and particularly to identify some follow-up activities to this initial event, should be put in hand as soon as possible.

[3] http://www.unwater.unu.edu/

APPENDIX XV [PCTA Item 4.3.1]

Agenda for the Third Meeting of the
WORKING GROUP ON WATER MANAGEMENT IN WATER STRESSED REGIONS
(Erstwhile WG-IADWS) WG-DROUGHT
Yogyakarta, Indonesia
11 October 2010 – 13:30:17:00 hours

Strategy Theme : Basin

Date of Establishment : 2008 **Completion of the Mandate : 2014**

Mandate:

(i) Drought Management Strategies: To capture field experiences of the implementation of drought risk management strategies.

(ii) Coping with water scarcity

- Critical evaluation of the validity of the crop water requirement computations based on climate data as a tool to be used in coping with water scarcity;
- Approaches and strategies for incorporating economical justification when deciding on the amount of water to be allocated for agricultural production;
- Re-defining, as necessary, the conventional irrigation efficiency concept;
- Design, operation and maintenance of sand dams – Under-ground water reservoirs.

(iii) Rainfall management for sustainable agriculture: Innovation and implementation of smart rainfall management technologies.

Members: (1) Vice President Hon. Franklin E. Dimick (USA, 2009), Chairman; (2) Mr. Mohammad Sadegh Jafari (Iran, 2009), Vice-Chairman; (3) Dr. Abraham Mehari Haile (The Netherlands, 2009), Secretary; (4) Vice President Hon. Dr. S. Nairizi (Iran, 2008); (5) Dr. Ragab Ragab (UK, 2008); (6) Mrs. Jianxin Mu (China, 2008); (7) Vice President Hon. Dr. Hussein El-Atfy (Egypt, 2008); (8) Mr. Anthony John Horton (Australia, 2008); (9) Mr. Graziano Ghinassi (Italy, 2008); (10) Dr. T. Watanabe (Japan, 2008); (11) Prof. Chang-Chi Cheng (Chinese Taipei, 2008); (12) Dr. T.B. S. Rajput (India, 2009); and (13) Secretary General, ICID.

Item 1 : Confirmation of the minutes of the 2nd meeting of the WG-DROUGHT

The minutes of the 2nd meeting held at New Delhi (2009), India will be confirmed during the meeting.

Item 2 : Review of membership

The nominations of Dr. Kiwood Park (Korea); Dr. Polevoy Anatoliy (Ukraine); Dr. Teodoro Estrela Monreal (Spain); Engr. Qazi Tallat Mahmood Siddiqui (Pakistan); and Dr. Benjamin de León Mojarro (Mexico) were deferred during New Delhi (2009) meeting, since they were neither present nor represented during the WG meeting. The Central Office invited (30 April 2010) the concerned National Committee to confirm above nomination or send a fresh nomination.

In response, Pakistan National Committee of ICID (PANCID) has nominated (11 June 2010) Dr. Abdul Razzaq Ghumman (Pakistan) in place of Engr. Qazi Tallat Mahmood Siddiqui. Dr. Abdul Razzaq's CV will be made available during the WG meeting.

Responses from other National Committees are awaited.

Item 3 : WG-IADWS (erstwhile) publication – "Irrigation under Drought and Water Scarcity"

The publication of the WG-IADWS document is long pending. The issue was discussed during the New Delhi (2009) meeting. It was decided that the document would be reviewed by the members of the erstwhile WG-IADWS to make sure that the separate contributions are linked together in the document properly and for their approval to the document. All comments must be submitted to former Chairman Dr S. Nairizi (Iran) in early 2010. Contributors were expected to update their references as well.

The Central Office once again circulated (30 April 2010) the final document (draft) to authors of the concerned chapters to improve/reshape as appropriate and provide their comments and/or suggestions.

In response, Dr. D.K. Paul (erstwhile member from India) submitted revised version of Chapter on *'Drought Indices and Impacts on Agricultural, Ecological, Social, and Economical Issues'* by D. K. Paul, S. Nairizi, and H. Siadat to Central Office which has been forwarded to VPH Dr. Nairizi for compiling it together with other Chapters. Responses from other members are awaited.

The Chairman may apprise the members.

Item 4 : Drought Management Strategies

The issue was discussed during the New Delhi (2009) meeting and the following issues were brought to fore:

- Identifying drought management strategies
- Short term strategies and long term strategies need to be developed.
- Effects on society need to be considered in addition to the engineering aspects of drought management strategies.
- Water marketing must also be included in developing drought management strategies.
- Fish and wildlife and environmental concerns must also be included in developing drought management Strategies.
- Compilation of case studies would benefit the development of drought management strategies.
- Any long term strategy must include predictions of climate change effects.
- Environmental consequences of droughts must be considered when developing drought management strategies.
- Field experiences of the implementation of drought risk management strategies
- Legislative and policy making experiences may be considered

A team leader needs to be identified to lead and organize activities under this Item.

Item 5 : Coping with Water Scarcity

Some ideas on how to pursue some activities under this item came up during New Delhi (2009) meting as below:

- Re-allocation of water during droughts will have legal ramifications due to water rights, etc.
- There is a need to clarify how irrigation efficiency is determined and its validity.
- Case studies would be helpful in compiling ideas on how to conserve water. The compilation and studying of these case studies may result in developing new concepts on irrigation practices.

Some new ideas (VPH Franklin E. Dimick) could be:

- Validation and credibility of the appropriate computational methods of crop water requirement most adaptable to water stressed regions.

- Design criteria and practices of irrigation and drainage systems in water stressed regions.
- Existing international practices and experiences in modification and improvement of irrigation methods in water stressed regions.
- Existing international practices and experiences in collection and making use of non-conventional waters in irrigation in water stressed regions.

A team leader needs to be identified to lead and organize activities under this Item.

Item 6 : Rainfall Management for Sustainable Agriculture

The following issues were highlighted by Mr. Jafari (Iran) during the New Delhi (2009) meeting – (i) how to approach the Rainfall Management for Sustainable Agriculture, (ii) collecting data on how much rainfall is used in irrigated and non-irrigated crops, (iii) quantifying effective rainfall in crop production together with how to improve its effectiveness through technology, (iv) the need to change the cropping practices to effectively utilize the rainfall and, (v) the need to document the successful studies in rainfall management.

The Central Office requested (06 July 2010) members of the WG to send their comments / suggestions on the above issues for fruitful discussions during the Yogyakarta (2010) meeting. Their contributions (papers / reports etc.) on the above issues were welcomed. Responses are awaited.

Some new ideas (VPH Franklin E. Dimick) could be: (i) introducing new practices and experiences in rainfall management, including; cloud seeding, cloud harvesting, fog trapping, and fog harvesting, and (ii) Introducing experiences and practices in increasing rainfall effectiveness in supplying crop water requirement (i.e. rainfall forecasting and adapting irrigation system operation practices and its structural and managerial requirements).

A team leader needs to be identified to lead and organize activities under this Item.

Item 7 : Product or output of the Working Group

The WG may consider producing: (a) One final report or individual final reports on each of the items above and/or (b) Intermediate reports on each of the items above.

Chairman may apprise members.

Item 8 : Development of a timeline for completion of mandate

The WG may consider developing a three year rolling work plan to focus on proposed WG acitivites.

Item 9 : Any other business

UNCCD Seminar in Stockholm

The Secretariat of the United Nations Convention to Combat Desertification (UNCCD) in collaboration with Stockholm Environment Institute (SEI) will be organizing a seminar on 05 September 2010 (14:00-17:30 hours) during Stockholm Water Week. The specific title of the seminar will be "*Sustainable Land Management Secures Drylands Water Quality*".

A brief description of the seminar is available at:

<http://www.worldwaterweek.org/sa/node.asp?node=750&sa_content_url=%2Fplugins%2FEventFinder%2Fevent%2Easp&id=3&event=244>.

The members are encouraged to browse through the material available at above link and possibly contribute to the seminar.

APPENDIX XVI [PCTA Item 4.1.1]

Agenda for the Nineteenth Meeting of the
COMMITTEE ON PUBLIC RELATIONS AND PUBLICATION (C-PR&P)
Yogyakarta, Indonesia
12 October 2010: 09:00-12:30 hours

Strategy Theme: Knowledge

Year of Establishment: 1992

Mandate:

- To describe the economic, social and environmental aspects of water resources projects which help provide food and fibre to mankind through irrigation; to identify the audiences and their interests, and suggest the appropriate type of communication and who should carry it out; to encourage National Committees to adopt a proactive role in communicating the role of water resources projects in serving mankind; and to encourage the use of communications specialists to ensure that the ICID public relations effort is effective.
- General management tasks - Development of concept of ICID publication series; set procedure for approval of publications; identification of (inter) national publishers and setting up of cooperative arrangements; marketing and pricing; and cooperation with publishers and National Committees for sale of publications.
- Editorial management tasks - Monitoring of and liaison with authors and editors on proposed and approved manuscripts; classification of proposed manuscripts for the relevant ICID services; calculation of prices and costs; fixing number of copies of books; public relations for publications, recommendations on subsequent publications of ICID.

Members: (1) VPH Larry D. Stephens, Chairman (USA, 1992); (2) PH Peter S. Lee (UK, 1993); (3) Prof. Hseih, Yung-Hsu (Chinese Taipei, 1998); (4) Ms. Anne Currey (Australia, 1998); (5) VPH Dr. Dia El-Din Ahmed El-Quosy (Egypt, 1998); (6) Prof. Atef Hamdy (Italy, 2004); (7) VPH Dr. Javad Farhoudi (Iran, 2006); (8) PH Prof. Bart Schultz (The Netherlands, 2009); (9) Mr. A.K. Ganju (India, 2009); and (10) Secretary General, ICID.

Ex-Officio Member: Mr. Satit Maneepai (Thailand)

Website: <http://www.c-prp.icidonline.org>

Item 1 : Confirmation of minutes of the 18th meeting of the C-PR&P

The minutes of the 18th meeting of the Committee held at New Delhi in December 2009 will be confirmed.

Item 2 : Review of the membership

No new nomination was received by the Central Office for the membership of the Committee.

Attendance of the members at the meetings of the Committee held in 2008 and 2009 will be presented during the meeting.

ICID By-law 3.1.7 stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

Accordingly, members who neither attended the meetings nor made any contributions for the last two consecutive years are:

- VPH Dr. Dia El-Din Ahmed El-Quosy (Egypt);
- Prof. Atef Hamdy (Italy); and
- Prof. Hseih, Yung-Hsu (Chinese Taipei)

Central Office has requested the concerned National Committees (NCs) to provide fresh nominations to replace above members.

Response is awaited. Committee may decide.

CONTINUING ITEMS

Item 3 : Publications brought out and under processing during the period 2009-2010

3.1 Publications brought out by the Central Office

3.1.1 ICID News Update

At the New Delhi meeting, the committee decided that the monthly News Update be published online only so that more pictures and outlay in colour may be included. It was also decided that depending upon necessity, the number of pages can be increased.

Earlier in November 2009, the Central Office had conducted a 'Feedback Survey' with a view to receive readers' suggestions for improving the contents, quality, and circulation etc of the News Update. One of the survey items was to indicate their preference for receiving the News Update – either by e-mail (on-line) or by post (hard copy). As the results of the survey were not available at the time of New Delhi meeting these could not be reported.

Of the 25 responses were received, sixteen (64%) respondents preferred to receive the News Update by Post (hard copy) and nine (36%) opted for by e-mail (on-line) only. Subscribers from developing and least developed countries still prefer hard copies as is also reflected in the distribution list of ICID Journal. Presently, the cost of printing of the News Update (500 copies, single color, four pages) in New Delhi is only US $ 70 per issue.

Given the above, the Committee may like to review its decision as regards the continuation of the earlier practice of printing of the News Update.

3.1.2 ICID News

At the New Delhi meeting, Committee selected the new name of the ICID Newsletter as "ICID News". So far three issues of the 'ICID News' (2010/1/ 2/ 3) have been published both in print form as well as by posting on ICID website.

PH Peter Lee suggested that the ICID News be given broader distribution; but others noted that the mailing cost for larger distribution would be expensive. It was agreed to make the basic distribution of three copies per National Committee with a maximum of 10 copies. The mailing costs for more copies, if demanded by any National Committee may be charged. Additional copies may be printed for distribution at special events like the World Water Forum and annual IEC Meeting.

During the meeting, VPH Stephens, Chairman offered to edit future issues of *ICID News*, prior to publication. It was also suggested that Central Office should try to sell at least one additional page of advertising for the eight pages issue and in that case the expansion of *ICID News* to 12 pages can be considered.

The Central Office has contacted some of the Irrigation Equipment manufacturing Companies who participated at the exhibition held on the occasion of 5th Asian Regional Conference held at New Delhi, as well as the Manufacturers of Hose reel Machines in Italy towards advertisement in the ICID News. Response is awaited.

Central Office has sent 'PDF versions' of the last issues (2010/1 & 2) of ICID News and a 'word file' of the 2010/3 issue to the Chairman for his observations. While he appreciated them, he offered to edit/ provide suggestions on the 2010/3 issue onwards. This practice will be followed in future.

The print copies of the last three issues of ICID News will be circulated at the meeting.

3.1.3 ICID Annual Report

The Committee commended the 'ICID Annual Report 2008-09' brought out by the Central Office.

During the meeting, PH Bart Schultz had proposed to include a table on 'World drained area' in the upcoming Annual Report (AR) besides the 'World irrigated area'. Central Office, in consultation with Dr. W. Vlotman, and Mr. Bernard Vincent, Chairman and Secretary of WG-DRG, respectively, and using the CEMAGREF and ICID's own database of drained area compiled a fresh table. This has been included in the Annual Report 2009-10.

WG stressed on the importance of Annual Reports as a flagship ICID document. It advised that this is the one circulated among many water related international organizations to inform about key ICID activities. Hence its design and printing quality should be of a high standard.

A copy of the Annual report 2009-10 will be circulated at the meeting.

3.1.4 Special Publications

In addition to the regular publications of ICID News, News Update and Annual Report; Central Office brought out the following publications:

- CD-ROM and publication on Synthesis Report: Topic 2.3 – Water and Food for Ending Poverty and Hunger, 5th World Water Forum.
- A CD ROM 'ICID @ 60' to mark the Diamond Jubilee Year (1950-2009) of the ICID. It was released on the eve of its 60th annual International Executive Council (IEC) meeting held at New Delhi in December 2009.
- A CD-ROM version of Multilingual Technical Dictionary (MTD), 2010

3.2 Publications by National Committees

INACID, Indonesia

- 'Multilingual Technical Dictionary on Irrigation and Drainage (English-Indonesian)', First Edition, 2009, Indonesian National Committee on Irrigation and Drainage (INACID), Indonesia

INCID, India

- Abstracts of the Papers', 60th International Executive Council Meeting and 5th Asian Regional Conference on Improvement in Efficiency of Irrigation Projects through Technology Upgradation and better Operation and Maintenance, 6-11 December 2009, New Delhi, India', pp 449 + CD-ROM.
- 'Theme Papers', 60th International Executive Council Meeting and 5th Asian Regional Conference on Improvement in Efficiency of Irrigation Projects through Technology Upgradation and better Operation and Maintenance, 6-11 December 2009, New Delhi, India', INCID/CWC, pp 108.
- 'Souvenir', 60th International Executive Council Meeting and 5th Asian Regional Conference, 6-11 December 2009, New Delhi, India', INCID/CWC, pp 186.
- 'Water Resources Map of India', INCID/CBIP, New Delhi, 2009.
- 'Water Resources Development in India', INCID/CBIP, New Delhi, 2009, pp 173.
- 'History of Irrigation Development in Orissa', INCID, New Delhi, November 2009, pp 300.

IRNCID, Iran

IRNCID has translated the following publications in Persian language during the period 2009-10*:*

- Ehsani, M., Khaledi, H., and Barghi, Y., 'Introduction to Virtual Water',
- Nasseri, A., 'The Watsave Scenario',

- Vaziri, J., et al., 'Crop Evapotranspiration: Guidelines for Computing Crop Water Requirements', and
- Heydarian, S.A., Ehsani, M., and Youseffard, E., 'Irrigation Management Transfer: Worldwide Efforts and Results'.

UKCID, Ukraine

- 'Abstract of papers of 23rd European Regional Conference on the theme 'Progress in Managing Water for Food and Rural Development', CD-ROM, Ukrainian National Committee on Irrigation and Drainage (UKCID), 17-24 May 2009, Lviv,

Newsletters received in the Central Office

- KCID Newsletter, Korean National Committee on Irrigation and Drainage, 2009, Vol. 41, No. 4
- ERWG Letter, European Regional Working Group (ERWG) of the ICID, May 2009, No. 19
- USCID Newsletter, the U.S. Committee for Irrigation and Drainage, No. 101, 2009

3.3 Publications under processing

The main ICID publications under processing are:

- Inter-basin Water Transfer: Global Experiences – Analyses and recommendations (TF-IBWT)
- 'Towards Sustainable Development of Tidal Areas: Some Principles and Experiences' (WG-SDTA)
- 'Irrigation under Drought and Water Scarcity' (erstwhile WG-IADWS)
- History of Irrigation, Drainage and Flood Control in Eastern Asia (WG-HIST)
- History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean (WG-HIST)

A synoptic table showing the present status of ICID publications (both under regular and special categories) that are completed, under processing, and proposed is shown as **Annex 1.**

At the New Delhi meeting, PH Bart Schultz had suggested to explore the possibility of publishing selected ICID publications through outside publisher (such as the Inter-Basin Water Transfer).

In this context, a note on 'ICID policy on the publication of output documents emerging out of detailed works by various Working Groups/ Committees' as accepted at the 13th meeting of the C-PR&P was brought to the attention of the Committee (see **Annex 2**). The 55th IEC had accepted the policy with the change that negotiations will be allowed for the number of free copies and royalty fees between ICID and the publisher (Please refer the Minutes of 55th IEC, September 2004, Moscow).

PH Schultz had agreed to work further on this matter with the Central Office to study the feasibility of the proposal.

Item 4 : Sale of publications/Congress Transactions during the period 2009-2010

4.1 Sale of Publications

As suggested at the New Delhi meeting, the Central Office has liaised with the Central Board of Irrigation and Power (India) and also some National Committees to promote the sale of ICID publications.

A statement showing the sale of ICID publications during the period 2009-2010 is placed at **Annex 3**.

4.2 Sale of Congress Transactions

At the New Delhi meeting, the committee was apprised about the non-receipt of the payment towards the "Congress transactions" ordered by the Chinese and Pakistan National Committees in 2005 and 2008, respectively.

In this context, the Central Office would like to bring to the provisions under ICID By-law 5.9.1(a) – Obligation of the host National Committee for a Congress, Symposium, Special Session, Seminar etc. mentioned that the procedures for printing Congress Transactions should be taken up in such a way that the Central Office can recover the full cost of production and shipping of transactions to Congress Organizing Committee and the host National Committee is expected to pay full cost for all of the transactions that they order.

The National Committees hosting the Congress are obliged to meet the full cost of the excess copies (including airmail charges), if the ordered copies are more than the number of delegates registering for the Congress. Further, as per By-law 5.9.4(c), the sets of transactions once supplied shall be non-returnable.

Central Office has corresponded with PANCID who informed that they have sold only two sets of transactions from the balance sets and asked to treat the matter as 'closed' offering to return the unsold transactions, if so desired.

Keeping the recent past experience, it is for consideration if the provisions of the ICID By-law on this subject needs a review. And if so, make suitable recommendations to IEC.

Item 5 : Report of Joint Editors of ICID Journal

In 2010, 365 pages have been published up to Issue 59.3. A special issue containing selected papers from the 20th ICID Congress, Lahore was also published (Special Issue 59.1).

The Working Group on Sustainable Development of Tidal Areas (WG-SDTA) is planning to publish a sponsored Special Issue with papers based on its work, in 2010.

The Netherlands National Committee (NETHCID) is considering publishing a sponsored Special Issue with selected papers of the 25th European Regional Conference of ICID, in 2011.

At the New Delhi meeting, PH Bart Schultz informed that there will be five issues in 2010, as was the case for 2009. He further informed that there is a large backlog of papers and also that papers are being accepted for 2011, even though substantially higher numbers of the papers are being rejected.

The EB-Journal monitors ICID's Journal exclusively. A detailed report/agenda by Chair, EB-Journal is available at Page A-147. Chairman ED-JOURNAL may wish to brief some highlights, especially the significant rise in impact factor (to 1.108 from 0.48 earlier).

Item 6 : Review of website

ICID website has been very well developed over the period. It provides a range of information on National Committees, workbodies, publications, database, advertisers' catalogue, Text Delivery Service (TDS) etc. The 'Spotlight' section of the website highlights the Key ICID Events and latest announcements.

Recently, Central office introduced a new design of ICID website. This new design is capable of attracting more visitors and can cater better search results through Google search engine. Our main keywords 'Irrigation and Drainage' are already shown on the 1st page of the results.

An average 16,000 hits per month were recorded on ICID webserver. An independent assessment (Google) places the ICID website at 7/10; this is an encouraging indication and the Programme Officer, Central Office's untiring efforts is praiseworthy.

It may be recalled that at the New Delhi meeting, PH Peter Lee appreciated the quality of the website and the C-PR&P had requested Permanent Finance Committee (PFC) not to cut any further budget towards the website.

Item 7 : Establishment of websites by Workbodies

ICID Workbody websites were established to provide key information like membership, agenda and minutes of the meetings, publications, announcements of events to members and all those interested in the activities.

Presently, websites of ERWG, AFRWG, ASRWG, WG-YPF, C-CONGR, WG-TRUE, EB-JOUR, WG-WATS, WG-HIST, WG-CAFM, WG-DRG, WG-MIS, WG-CROP, WG-PQW, WG-ON-FARM, WG-SDTA, WG-CLIMATE, ST-LCB, are functional.

The WG-CLIMATE website was hosted by Dr. Ray Shyan Wu (Chinese Taipei) and Central Office has provided link to the website.

As suggested at the New Delhi meeting, the Central Office has provided websites for WG-ENV (http://www.wg-env.icidonline.org) and C-PR&P (http://www.c-prp.icidonline.org) with a link to ICID publications.

Workbody Chairs have been provided with 'FTP' login of the webserver to get free access to the respective workbody website. Chairs are requested to update the websites on their own or by contacting the Central Office from time to time.

Item 8 : Any other business

Annex 1 [Appendix XVI, Item 3.3]

COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)

Synoptic table of present status of in-house ICID publications completed / under processing/ proposed during the period 2009-2011

(A) Regular Publications

Sr. No.	Name of publication	No. of MSS pages	No. of copies printed/ proposed to be printed	Actual/ Estimated printing cost (₹)	Expected date of publishing	Remarks
1	**Annual Report (English)**					
	2008-2009	80	300	Rs.85,500	September 2009	Published
	2009-2010	80	300	Rs.88,000	August 2010	Under publication
	2010-2011	80	300	Rs.90,000	August 2011	To be published
2	**Agenda IEC (English)**					
	2009	300	250	Rs. 61,000	October 2009	Published
	2010	300	250	Rs. 63,000	August 2010	Published
	2011	300	250	Rs. 65,000	August 2011	To be published
3	**Minutes IEC (English)**					
	2009	250	185	Rs.63,000	February 2010	Published
	2010	250	185	Rs.65,000	December 2010	To be published
	2011	250	185	Rs.65,000	December 2011	To be published
4	**ICID News (English)**					
	2009 (4 issues)	32 pages (4 Color)	500	Rs.68,000	Feb., May, Aug., Nov. 2009	Published
	2010 (4 issues)	32 pages (4 Color)	500	Rs.68,000	Feb., May, Aug., Nov. 2010	To be published
	2011 (4 issues)	32 pages (4 Color)	500	Rs.70,000	Feb., May, Aug., Nov. 2011	To be published
5	**News Update (English)**					
	2009 (12 issues)	48 pages (mono color)	1000	Rs.33,000	15th of every month	Published
	2010 (12 issues)	48 pages (mono color)	--	--	15th of every month	Posted/to be posted on the website
	2011 (12 issues)	48 pages (mono color)	--	--	15th of every month	Will be posted on the website

Annex 1 [Continued]

COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)

(B) Special Publications

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
(i) SPECIAL PUBLICATIONS (IN PROCESSING FOR PRINT)									
1	'Irrigation under Drought and Water Scarcity' (erstwhile WG-IADWS)	To be appointed	2010	NA	100	500	150,000*	2011	Donor to be identified
2	Inter-basin water transfer: Global experiences – Analyses and recommendations (TF-IBWT)	Appointed	2010	300	100	500	200,000*	2010	Donor to be identified
3	History of Irrigation, drainage and flood control in Eastern Asia	Appointed	2010	500	100	500	100,000*	2011	Donor to be identified
4	History of irrigation, drainage and flood control in Southern Europe and the Mediterranean	Appointed	2010	350	100	500	80,000*	2011	Donor to be identified
5	'Towards Sustainable Development of Tidal Areas: Some Principles and Experiences' (WG-SDTA)	Appointed	2010	300	150	500	500,000	2010	Funding support by Chinese Taipei, Japan, and Korea
(ii) SPECIAL PUBLICATIONS (PROPOSED)									
TO BE IDENTIFIED- "Open for discussions".									

*If the donor is not identified, the publication will be brought out on CD-ROM (approx. cost Rs.30,000)

Annex 2 [Appendix XVI, Item 3.3]

COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)

ICID Policy on the Publication of "Output Documents" Emerging Out of the Detailed Works by Various Working Groups / Committees

Preamble

Workbodies of ICID in terms of By-law 3.1.2 bring out documents and important conclusions as a result of the work of the Group/Committee over a period of time with input of members and support from various ICID National Committees. Such documents and publications emanate after considerable discussions, exchanges and discussions in the workbodies during the annual ICID meetings besides correspondence. Thus the outputs become an important resource material and `Knowledge Base' of ICID, generated at the direct or indirect expense of time, energy and resources of ICID, the National Committees and the Working Groups. The work/output of the Workbodies is therefore logically owned by ICID and hence the Commission has a copyright on all its publications.

By-law 6.2 states that special publications shall be undertaken with the specific approval of the Council and the specifications regarding the use of ICID logo and other details for such publications shall be approved by the Council. It clearly implies that any output as a result of deliberations in the Workbodies is a copyright and property of ICID and ICID has the first right to publish it, whether on website or in a printed form. While according the approval for publication of the document, the Council also approves expenditure as may be required for finalizing the publication, not only keeping in mind the services the Commission offers to its members, but also to generate some revenue from sale of such publications commercially for ICID's core activities. For any reason, however, if ICID is not able to publish the output of a Workbody on its own and decides to get it printed through a commercial publisher from outside, the Commission shall authorize the identified publisher in writing to do so on certain terms and conditions. These will include the use of ICID logo, supply of 100 complimentary copies for free distribution to the ICID Member Committees and a token royalty of 15% on the sale proceeds of such publication.

These provisions are warranted to be included in the ICID By-law to safeguard the interest of the Commission, to check any deliberate or inadvertent misuse of the outputs of workbodies and to recognize and acknowledge the efforts of Workbodies and their members. It is suggested therefore that the following By-law should be added as By-law 6.2.1.

By-law 6.2.1: Output of Workbodies

The outputs generated by the Workbodies are copyright of ICID and are owned by it. ICID shall have the first right to publish these outputs, whether on website or in a printed form. Should ICID, for any reason, decide not to publish such outputs by itself, it may get them published through a commercial publisher on specified terms and conditions. These, inter-alia, will include a condition of supply by the publisher, of 100 complimentary copies of the publication for distribution to ICID member committees and for Central Office Library and a 15% royalty on the sale proceeds of the publication. The publishers will be permitted to use the standard ICID logo on the printed copies of the publication only on agreeing to meet these conditions.

Annex 3 [Appendix XVI, Item 4.1]

COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)

Sale of ICID publications in 2009-10 and previous years

Sl. No.	Publications	Year of publishing	Copies printed	Upto 31.03.2009		01.04.2009 to 31.03.2010		Balance as on 31.03.10
				Free copies to NCs/ Members/ ICID events	Sale	Free copies to NCs/ WB Members/ ICID events	Sale	
1	Guidelines for rehabilitation and modernization of irrigation projects	1999	500	62	367	-	2	69
2	Manual on non-structural approaches to flood management	1999	500	68	249	-	-	183
3	Canal operation simulation models	2000	500	102	98	1	6	293
4	ICID survey on funding of operation, maintenance and management of irrigation projects	2000	500	113	196	1	2	188
5	Remote sensing and geographic information systems in irrigation and drainage - Methodological guide and applications	2000	500	100	142	1	4	253
6	Historical Dams	2001	600	170	165	-	2	263
7	Danube valley – History of irrigation, drainage and flood control	2004	392	135	22	2	2	231
8	The Indus basin – History of irrigation, drainage and flood management	2004	500	136	44	2	6	312
9	Application of geosynthetics in irrigation and drainage projects	2004	500	118	75	-	4	303
10	Manual on planning of structural approaches to flood management	2005	500	99	42	1	4	354
11	Planning and designing of micro-irrigation in humid regions	2005	500	105	90	1	6	298
12	Micro irrigation in arid and semi-arid regions	2006	500	143	52	2	7	296
13	Manual for performance evaluation of sprinkler and drip irrigation systems in different agro-climatic regions of the world	2008	500	132	23	5	31	309
14	Water Saving in Agriculture	2008	500	141	24	8	37	290
15	CD-ROM version of Multilingual Technical Dictionary (MTD)	2010	500	-	-	82	3	415

APPENDIX XVII [PCTA Item 4.3.5]

Agenda for the Fifth Meeting of the
WORKING GROUP ON GLOBAL CLIMATE CHANGE AND AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)
Yogyakarta, Indonesia
12 October 2010: 09.00-12.30 hours

Strategy Theme: Systems

Year of Establishment: 2005 **Completion of the Mandate: 2011**

Mandate:

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

Members: (1) VPH Dr. Mark Svendsen, Chairman (USA, 2006); (2) Dr. Tsugihiro Watanabe, Vice Chairman (Japan, 2006); (3) Mr. Ray Shyan Wu, Secretary, 2009 (Chinese Taipei, 2007); (4) VPH Dr. Karim Shiati (Iran, 2006); (5) VPH Dr. André Musy (Canada, 2007); (6) Dr. Kim Russell (Australia, 2007); (7) Ms Nurgül Üzücek (Turkey, 2007); (8) Dr. Krishna Kumar Kanikicharla (India, 2007); (9) Prof. Heping Hu (China, 2008); (10) Prof. Sue Walker (South Africa, 2009); and (11) Secretary General, ICID.

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

Website: <http://www.wg-climate.icidonline.org>

Item 1 : Confirmation of the minutes of the 4th meeting of the Working Group held at New Delhi

The minutes of the 4th meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

Item 2 : Review of membership

The Indonesian National Committee (INACID) has nominated Dr. Ir. Roestam Sjarief (Indonesia) for the membership of the Working Group. CV of Dr. Sjarief will be tabled at the meeting.

The following nominations were deferred at the New Delhi meeting (2009) due to their non-attendance at the meeting:

- Dr. Edward Keith Weatherhead (UK)
- Dr. Juan A. Rodriguez-Diaz (Spain)
- Dr. Rolu Encarnacion y Pascua (Philippines)
- Ir. C.W.J. Roest (The Netherlands)
- Mr. Naseer Ahmed Gillani (Pakistan)

The Central Office in January 2010 had informed all the ABOVE nominees about the WG's decision in accordance with By-laws that stipulate the need for nominee's presence at the time of admission to a workbody. Concerned

National Committees were also informed to advise the nominees for attending the WG meeting at Yogyakarta when their nominations once again will be put up for consideration.

CVs of the above nominees will be tabled at the meeting. The Group may like to consider.

Attendance of members at the meetings held in 2008 and 2009 will be circulated at the meeting.

CONTINUING ITEMS

Item 3 : Work Plan of the Group

At the New Delhi meeting, the Chairman outlined the WG's primary function of sharing information and knowledge among countries, science community and managers. During the meeting the group discussed the WG mandate and agreed that the focus for the upcoming meeting would be the issue of the 'potential impacts of a changing climate on the world food supply'. The WG may like to prepare a work plan of activities until 2011.

The completion of the present mandate of the WG was approved until 2011. The WG may like to extend its tenure further until 2014 in order to complete its ongoing activities and also to take up new activities supporting to its mandate.

The WG may like to spell out activities/ works to be carried out further and also make recommendation to the PCTA as regards extension of its tenure.

Item 4 : Website of the Working Group

At the New Delhi meeting, the group noted the website of the Group http://140.115.62.223/raywu/ICID/index.php as prepared by Dr. Ray-Shyan Wu (Chinese Taipei) is fully functional. It is also accessible from a link on the ICID Workbodies page. The website provides updated information on membership, agenda, minutes, presentation etc. Central Office has provided inputs to Dr. Ray-Shyan Wu for updating of the webpage.

Members are encouraged to access the webpage and provide relevant documents, pictures to Dr. Ray-Shyan Wu/ Central Office for posting.

Item 5 : Workshop on "Climate Change and the Global Food Supply"

At the New Delhi meeting, the WG recommended to organize a one-day workshop in Yogyakarta so as to accommodate more contributions and more extensive interaction.

Dr. Mark Svendsen, Chairman has informed the Central Office that the WG will organize a workshop with the title "Climate Change and the Global Food Supply" within the allotted workbody time.

The Chair will provide further updates about the internal workshop at the meeting.

Item 6 : UN Water Task Force on "Water and Climate"

UN Water had initiated a Task Force on "Water and Climate" under the overall coordination of the World Meteorological Organization (WMO). The Task Force represents a response to the call for cross-sectoral collaboration and provided an opportunity to discuss climate change and water linkages in their widest sense and supports the UN System as it prepares to meet the challenges posed by climate change.

At the New Delhi meeting, the Chairman offered a list of recent international meetings and initiatives and invited various members or observers who were familiar with the meeting or initiative to comment. These are recapitulated as follows:

- UN-Water Task Force on Water and Climate,
- WMO World Climate Conference,
- UKCID meeting on Water and Climate Change,

- World Water Development Report excerpts, and
- OECD Policy Guidance on climate change adaptation.

ICID has joined the UN-Water Task Force on Water and Climate through WG-Climate. A Task Force on 'Climate Change and Irrigation (ARTF-CC) of Asian regional Working Group (ASRWG) focuses on studying the impacts and strategies for addressing / adopting the challenges of climate change in irrigation and water management for sustainable agriculture. A side meeting between Vice Presidents Shinsuke Ota (Japan) and Dr. A. Hafied A. Gany (Indonesia) was held on 3rd March 2010 in Tokyo for discussing the activities related to ARTF-CC. Indonesia is an important country in South East Asia whose experiences are to be incorporated in the ARTF-CC report. Appropriate case study formats, proposed work assignment and further action plan of ARTF-CC were discussed in the VPs meeting.

Chairman vide his email of 31 may 2010 has informed the Central Office that he will be attending the World Water Week at Stockholm in September 2010.

VP Gany/ Ota will brief further developments at the meeting. Chairman may like to provide his feedback on the Stockholm meeting.

Item 7 : WG related communications

The Central Office has circulated the following web links/ web-based resources/ documents related to climate change as received from other international organizations among members from time to time.

- UN-Water Policy brief "Climate Change Adaptation: The Pivotal Role of Water" (www.unwater.org)
- Report of the Workshop on "Key Challenges to adaptations in the water sector", Bonn, Germany, May 2010, (http://www.unwater.org/downloads/Report_4thMeeting-WCC-TPA.pdf)
- Action Pledges: Making a difference on the ground. A synthesis of outcomes, good practices, lessons learned, and future challenges and opportunities (http://unfccc.int/resource/docs/publications/09_nwp_action_pledges_en.pdf)
- Climate Change; Impacts, Vulnerabilities and Adaptation in Developing Countries, December 2007 (http://unfccc.int/resource/docs/publications/impacts.pdf)
- Climate warming demands fresh thinking about security policy, Michael Renner, January/February 2010, World Watch (www.worldwatch.org)
- Climate Change (http://www.iwmi.cgiar.org/Topics/Climate_Change/default.aspx)
- UNESCO Publications (http://www.unesco.org/water/wwap/pccp/pubs/05may09-1.shtml)
- Climate change reference guide – Alice McKeown and Gary Gardner (http://www.worldwater.org/stateoftheworld)
- Adapting Water Management – A primer on coping with climate change, John H. Matthews and Tom Le Quesne, March 2009, WWF3 Water Securities Series 3 (http://wwf.panda.org/what_we_do/how_we_work/conservation/freshwater/)
- Chapter 1 – Understating the links between climate change and development, World Development Report 2010; http://econ.worldbank.org
- Chapter 3 - Managing land and water to feed nine billion people and protect natural systems, World Development Report 2010; http://econ.worldbank.org
- Index of NAPA projects by sectors (http://unfccc.int/files/cooperation_support/least_developed_countries_portal/napa_project_database/application/pdf/napa_index_by_sector.pdf)
- Nairobi work Programme: Partners and Pledges Database (http://unfccc.int/adaptation/nairobi_work_programme/partners_and_action_pledges/items/5005.php)
- Compendium on methods and tools to evaluate impacts of, and vulnerability and adaptation to climate change (http://unfccc.int/adaptation/nairobi_workprogramme/knowledge_resources_and_publications/items/5457.php)

- Submitted National Communications for non-Annex I Parties (http://unfccc.int/national_reports/non-annex_i_natcom/submitted_natcom/items/653.php)
- http://www.unesco.org/water/wwap/pccp/pubs/05may09-1.shtml
- http://www.unece.org/env/water/publications/documents/Guidance_water_climate.pdf
- `http://www.unece.org/env/water/publications/documents/Guidance_water_climate_r.pdf
- ftp://ftp.fao.org/docrep/fao/010/i0142e/i0142e07.pdf
- http://www.fao.org/nr/water/climatechange.html
- http://www.fao.org/nr/water/docs/wwf5/wdm_crops_and_drops/Producing-Enough-Food-Kuylenstierna-Burke.pdf
- ftp://ftp.fao.org/docrep/fao/010/i0142e/i0142e00.pdf
- ftp://ftp.fao.org/docrep/fao/011/aj982e/aj982e02.pdf
- ftp://ftp.fao.org/docrep/fao/011/i0765e/I0765E13.PDF
- Climate Change Impacts in Drought and Flood Affected Areas: Case Studies in India, 1 June 2008, Document of the World Bank, Report No. 43946-IN (http://www-wds.worldbank.org/)
- The water resources policies under global climate change in Taiwan – Chun-Hsian Chen Director of Water Resources Agency, Ministry of Economic Affairs*, Taiwan;* Asian Regional Working Group of ICID, Chinese Taipei Committee of ICID (CTCID)

Members are encouraged to provide their comments/ observations on the above documents to the Chairman and also to inform about the other web links/ documents related to the activities of the WG.

Item 8 : Methane flux from irrigated wetlands rice fields

At the New Delhi meeting, the WG accepted to accommodate the topic "*Methane Flux from Irrigated Wetland Rice Fields"* transferred from WG-ENV in its agenda. During the meeting, Dr. Yih-Chi Tan, Vice-Chairman of WG-ENV made a presentation on the topic on behalf of Prof. Hu Heping, Chairman of WG-ENV. The presentation was supplemented by Dr. Tsugihiro Watanabe.

Other members are encouraged to contribute by way of providing information on this topic.

Item 9 : Symposium on Climate Change at Tehran in 2011

A Symposium on climate change impacts on soil and water resources will be held at the time of 21st International Congress on Irrigation and Drainage at Tehran in October 2011. Background note and scope of the symposium is available in the "Call for papers" at <http://www.icid2011.org>.

Members are encouraged to submit papers through their National Committee.

Item 10 : Any other business

APPENDIX XVIII [PCTA Item 5]

Agenda for the First Meeting of the
TASK FORCE ON WATER FOR BIO-ENERGY AND FOOD (TF- BIO-ENERGY)
Yogyakarta, Indonesia
12 October 2010: 09:00 – 12:30 hours

Members: (i) Mr. Laurie Tollefson, Chair (Canada); and (ii) Secretary General, ICID.

Terms of Reference (ToR): (*tentative)*

- Evolve "ICID's position on Water for Bio-Energy and Food".

Item 1 : Introductory remarks by Chairman

The Management Board at its interim meeting held in Istanbul in March 2009 on the sidelines of the 5th World Water Forum considered the subject and proposed to initiate a Task Force on the topic. One of the sessions handled by ICID on the topic "*Water and Food for ending poverty and hunger*" in World Water Forum 5, Theme 2, was devoted to "*Water for Bio-energy or Food?* This led to a paper (*see annex*) which brings out several key issues identified by the consortium.

Late VPH Henri Tardieu agreed to Chair the Task Force during last IEC, but with the unfortunate situation of his sudden demise, a new Chair has to be identified.

Management Board has invited Mr. Laurie Tollefson, CANCID to Chair the Task Force, which was graciously accepted by Mr. Tollefson. It was also decided in the 60th IEC meeting held in New Delhi that the Central Office will elicit nominations from various National Committees for the Task Force.

Central Office has circulated an invitation to all National Committees / Committee of ICID to nominate an expert to provide inputs. All nominations as received will be placed in a supplementary agenda for the Task Force for consideration.

Item 2 : Any other business

Annex [Appendix XVIII]

KEY QUESTION III. WATER FOR BIO-ENERGY OR FOOD?

Context

The importance of the key question can be summarised as formulated underneath:

- bio-fuels will provide least developed countries and poor farmers with new opportunities for employment to improve their economy and livelihoods?
- bio-fuels will raise the food prices - the poor will be the first affected?
- bio-fuels are detrimental for the environment?
- bio-fuels production will increase the stress on land and water resources.

Outline

Key issues

- how can rural communities benefit from bio-energy crops?
- how to avoid conflict with food production by considering reversible crops from non-food to food production, and using marginal water and land?
- how to develop farming practices compatible with nature balance, increasing the resilience of rural poor and ecosystems on which they depend?
- what may be the implications of bio-fuels policies and trends for the water resources, availability and allocation among uses (including by ecosystems) and thus on ecosystems and livelihoods?
- can bio-fuel plantations give a sustainable income to the small and marginal farmers?
- can bio-fuel prices be not affected from the impact of changing prices of fossil fuels?
- is there any opportunity to grow bio-fuel plantations on saline, fallow lands?

Surging fuel prices and the quest to reduce green house gas emissions triggered the interest for development of bio-fuels, which have positive consequences on agriculture prices at farm gates. Consequently, more and more land is converted to production of bio-fuels and more and more water is required to grow these energy crops. Though this provides opportunities for farmers to escape the poverty trap, this may happen at the cost of food production and environmental integrity. The question of rapid reversibility to food from non-food agriculture production might be critical to set national strategies that deal with bio-fuels production, reduce food self-sufficiency on routine basis while safeguarding potential supply in case of global food supply shocks. Finally the question whether bio-fuels production and dissemination will help in reducing green house gas (GHG) emissions needs to be discussed seriously.

Bio-fuels are solid, liquid, or gas fuel consisting of, or derived from biomass. They can be produced from any carbon source that can be replenished rapidly e.g. plants. Bio-fuels reduce up to 60 - 80% of carbon emission as opposed to using fossil fuels such as petroleum and diesel. Bio-fuels are used globally with the most common use in automotive transport. Bio-fuel industries are expanding in Europe, Asia and the Americas.

Sugarcane is the most important crop for producing bio-fuels today and the feedstock for more than 40% of all fuel ethanol. Maize (corn) ranks a close second: the primary source for bio-fuels production in the USA, it supplies nearly the same share of world fuel ethanol as sugarcane.

Bio-diesel, produced mainly from rapeseed or sunflower seed, comprises 80% of Europe's total bio-fuels production. The EU accounted for nearly 89% of all bio-diesel production worldwide in 2005. Germany produced 1.9 billion litres, or more than half the world total.

In 2005, Brazil produced 16.5 billion litres of fuel ethanol (45.2% of the world's total) with the USA a close second at 16.2 billion litres, or 44.5% of the total. Ethanol provides roughly 40% of Brazil's non-diesel fuel and 2 - 3% of USA non-diesel fuel. The growth is rapid: in 2008 Brazil produced 27 billion litres and USA 38 billion litres of ethanol.

Brazil plans to expand also production of bio-diesel increasing to 5% by 2013. Colombia mandates the use of 10% ethanol in all gasoline sold in cities with populations exceeding 500,000. In Venezuela, the state oil company is supporting the construction of 15 sugarcane distilleries over the next five years, as the government introduces an E10 (10% ethanol)

blending mandate. An EU directive has set the goal of replacing 5.8% of transportation fuel by bio-fuels by 2010 in all member states. In Canada, the government aims for 45% of the country's gasoline consumption to contain 10% ethanol by 2010. In Southeast Asia, Thailand has mandated an ambitious 10% ethanol mix in gasoline starting in 2007. For similar reasons, the palm oil industry plans to supply an increasing portion of national diesel fuel requirements in Malaysia and Indonesia. In India, a bio-ethanol program calls for E5 blends throughout most of the country targeting to raise this requirement to E10 and then E20. In China, the government is making E10 blends mandatory in five provinces.

Important issues are: what investments, policies, and agreements are needed to ensure that the diversion of land and water resources for bio-fuels production does not offset national and international efforts to alleviate poverty and enhance food security? On the other hand a point would be if there are investments, policies, or agreements that can be made to increase the likelihood that bio-fuels production might be helpful in alleviating poverty and enhancing food security?

Of the world's 47 poorest countries, 38 are net oil importers, and 25 of these import all of their oil. Yet many of these countries have substantial agricultural bases and are well-positioned to grow highly productive energy crops.

Bio-fuels could help to reduce poverty in the emerging and least developed countries, through increased employment, wider economic growth multipliers and energy price effects. However, it will have to be investigated whether such new opportunities will really substantially improve the conditions for poor farmers. Can bio-fuels also be coordinated from small-holder production? What have we learned about the link between poverty-reduction and livelihood improvement for small irrigators producing commodities now also being targeted for bio-fuels.

Introduction of bio-fuels also provides farmers with higher returns, not only of the bio-fuel crops but also of their regular food crops: as many farmers convert to bio-fuels, the supply of staple food crops will reduce and prices increase, which can then make food production more attractive. Even with subsidies, economic savings with bio-fuels from avoided oil imports can be considerable: from 1976 - 2004, Brazil's ethanol production substituted for oil imports worth US$ 60.7 billion - or as much as US$ 121 billion including avoided interest that would have been paid on foreign debt.

Bio-fuels rely on many of the same policy, regulatory or investment shortcomings that impede agriculture as a route to poverty reduction. As many of these shortcomings require policy improvements at a country level, rather than a global one, a country-by-country analysis of the potential poverty impacts of bio-fuels is required.

Due to rising demand for bio-fuels, farmers worldwide have an increased economic incentive to grow crops for bio-fuels production instead of staple food production. Without political intervention, this could lead to reduced food production and increased food prices. Impacts of this would be greatest on poorer countries or countries that rely on imported food for their subsistence. An increase in bio-fuels demand will lead to sustained higher food prices and adversely affect poor consumers in least developed and emerging countries. Recent increases in maize prices were reportedly related to the opening of new bio-fuel plants.

In early 2007 there were a number of reports linking stories as diverse as food riots in Mexico due to rising prices of maize for tortillas, the pasta price hike protest in Italy and reduced profits at Heineken, the large international brewer, to the increasing use of maize grown in the US Midwest for bio-ethanol production (the barley area was cut in order to increase maize production).

The most recent UN report on bio-fuels also raises issues regarding food security and bio-fuels production. While the argument for bio-fuels in terms of energy efficiency and climate change are legitimate, the effects for the world's hungry of transforming wheat and maize crops into bio-fuels are 'absolutely catastrophic', and terms such use of arable land a 'crime against humanity'.

Bio-fuels aim to be carbon neutral. In practice, bio-fuels are not carbon neutral because energy is required to grow crops and process them into fuel e.g. fertilizer manufacture, fuel used to power machinery, and fuel used to transport crops and fuels to and from bio-fuel processing plants. However, using bio-fuels to replace a proportion of the fossil fuels that are burned for transportation can reduce overall greenhouse gas emissions. This does assume, however, that the land used for growing the crops would alternatively be desert or paved area. If the land was previously a (tropical rain-) forest, the carbon absorption of this forest should be deducted, which implies that the net effect of burning bio-fuels is an increase in greenhouse gasses. Also the 'displacement' effects of large-scale bio-fuels production, in terms of its direct and indirect role in promoting land use changes and soil carbon losses have to be incorporated.

The release of Nitrous Oxide (N_2O) among the commonly used bio-fuels, such as bio-diesel from rapeseed and bio-ethanol from maize, can contribute as much or more to global warming than fossil fuel savings.

Second generation bio-fuels production processes use non-food crops. These include the stalks of wheat and maize, wood, special energy or biomass crops and waste biomass. These processes could utilise the waste products of current food-based agriculture to sustainably manufacture fuel. It is important to note that carbon in waste biomass is used by

other organisms, e.g. it is broken down in the soil to produce nutrients, and provides a habitat for wildlife. The large-scale use of such 'waste' biomass by humans might threaten these habitats and organisms. It also could reduce the soil fertility.

In some regions of the world, a combination of increasing demand for food, and increasing demand for bio-fuel, is causing deforestation and threatens biodiversity. The expansion of sugarcane plantations will place pressure on environmentally sensitive native ecosystems, including rainforest in South America. In forest ecosystems, these effects themselves will undermine the climate benefits of alternative fuels, in addition to representing a major threat to global biodiversity. The best reported example of this is the expansion of oil palm plantations in Malaysia and Indonesia, where rainforest and peat domes are being destroyed to establish new oil palm plantations. It is an important fact that 90% of the palm oil produced in Malaysia is used by the food industry Malaysian Palm Oil Council; therefore bio-fuels cannot be held solely responsible for this deforestation. There is a pressing need for sustainable palm oil production for the food and fuel industries; palm oil is used in a wide variety of food products.

Various institutions have argued for a 5-year freeze on bio-fuels while their impact on poor communities and the environment is assessed. One problem with this approach is that economic drivers are required to push the development of more sustainable second generation bio-fuel processes: these will be stalled if bio-fuels production decreases. Supporters of bio-fuels claim that a more viable solution is to increase political and industrial support for, and rapidity of, second generation bio-fuels implementation from non-food crops.

Bio-fuels production will compete with food crops for scarce land and water resources, already a constraint to agricultural production in several parts of the world. If all national policies and plans on bio-fuels are successfully implemented, an additional 30 million hectares of crop land will be needed along additional irrigation water withdrawals. With respect to these additional withdrawals there is quite a range in estimations from 30 km^3 in 2000 to 47 km^3 in 2017 to 180 km^3. Te latter estimation has not been linked to a specific year. Impacts for some individual countries could be highly significant. China and India, the world's two largest producers and consumers of many agricultural commodities, already face severe water limitations in agricultural production, yet both have initiated programs to boost bio-fuels production.

From water perspective it makes a large difference whether bio-fuel is derived from fully irrigated sugarcane grown in semi-arid areas or rainfed maize grown in water abundant regions. The use of water-extensive oilseeds (such as Jatropha trees), bushes, wood chips and crop residuals (i.e. straw, leaves and woody biomass) is promising though these often are used as animal feed or organic fertilizer (compost).

While some areas face water and land limitations, others have sufficient capacity, provided that productivity improvements materialize. Thus, production may take place in land and water abundant regions that are currently not involved in bio-fuels production.

Conclusions and recommendations on Key Question III

Based on the Topic Report and the presentations and discussions during the Forum Session III the following conclusions and recommendations have been formulated with respect to Key Question III:

- focus of the debate should not be water for food or fuel, it would have to be how to optimize water use for food and fuel while ensuring water security for other uses;
- bio-fuel production needs to be seen in the wider context of agriculture, with the same debates and issues at stake - resource scarcity and sustainability. The rights of the poor to use water for production of basic food demand would have to be protected;
- water, and in some cases land, are limiting factors but are needed for food and fuel, besides for environment and other uses. Farmers take the decisions regarding crops based on market conditions and product demand. Enabling circumstances would have to be created, especially in least developed countries;
- small-holder farmers need to be organized and informed on water availability use, debates would have to be encouraged on the means of allocating water, to people and nature. Strategic environmental assessments for large-scale land and water acquisitions would have to be promoted; and
- integrated policies and decision-making that complement not contradict each other need to be encouraged. Integrated approaches need to be followed in both policy and implementation.

APPENDIX XIX [PCTA Item 6.2]

Agenda for the First Meeting of the
TASK FORCE TO GUIDE ICID INPUTS TO WORLD WATER FORUM 6 (TF-WWF6)
Yogyakarta, Indonesia
12 October 2010: 13:30-17:00 hours

A brief on World Water Forum 6

The 6th World Water Forum will be held in March 2012 in Marseille, France.

ICID received invitation for the 6th WWF Kick-off meeting held on 3-4 June 2010 in Marseilles, France. The Kick-off meeting was an opportunity for us to contribute with ideas and experience in the very first step of the preparation for 6th WWF. The theme of this Forum is "Solutions for Water". The Kick-off meeting was attended by AFEID's nominees (i) Mr. Michel Ducrocq and Mr. Jacques Plantey on behalf of ICID.

The Kick-off meeting that connotes initiation of action for the next Forum in Marseille. In as much as President Hon. Bart Schultz, Coordinator for our inputs to the Forum and Secretary General could not attend this meeting. Mr. François BRELLE, Président, AFEID represented ICID.

A specific letter of invitation to ICID from WWC soliciting our contributions on the topic of "Water for Food" for the next Forum also on a continuing basis was received from the Mr. Loïc Fauchon, President, World Water Council (see **Annex**). This was acknowledged with assurances to provide necessary inputs.

Though not explicit from the brief that was received from AFEID soon after the Kick-off meeting on perusal of the WWC's side highlighting the future Forum focus indicate that:

(i) The theme for the Forum would be "Towards concrete solutions for water"

(ii) The sub-themes are apparently the following:

- (a) Right to Water
- (b) Balancing Multiple Uses
- (c) Climate Change Adaptation and Mitigation
- (d) Access to water, sanitation, wastewater and health for all
- (e) Improving Water Governance
- (f) Transboundary Futures / Transboundary Cooperation
- (g) Risk and Disaster Management
- (h) Innovation / Out of the Box
- (i) Water and Food Security
- (j) Water and Energy
- (k) Water and Nature
- (l) Communication and Education (Awareness-raising)

Of various `emerging' sub-themes as outlined above, ICID's input for the Forum desired by WWC is "Water and Food Security".

We do have scope to contribute on others like "Balancing Multiple Uses; Climate Change Adaptation and Mitigation: Risk and Disaster Management; Innovation (water technologies), the core input relates to Water and Food Security.

The Forum might be approaching each one of the sub-themes under – (i) Issues; (ii) Targets; (iii) Solutions.

For Water and Food Security, issues identified during the Kick-off meeting appeared to be –

a. Water management
b. Water productivity
c. Environmental sustainability
d. Institutional issues
e. Urbanisation and population dynamics and
f. Virtual water

The second consultation will take place in France on 18-19 November 2010.

Item 1: Introduction by the proposed Chair

In his initial indication PH Bart Schultz desired to involve a core comprising of WG chairs. It would be ideal if the core is identified with the specific focus area.

No circular was issued to National Committees for nomination of members for this Task Force in view of the `selective membership' of core group chairs. Chair may wish to elaborate.

ICID has received a letter on 02 August 2010 from FAO Chief Pasquale Steduto expressing his desire to work with ICID. Expressing their confidence that 'Water for Food' will be confirmed as a major topic in WWF6 though not so as of now, he expresses that, most likely, FAO will be asked to lead the initiative. He has brought out the fact that **FAO is the only organization representing this sector in the WWC Board**. Dr. Pasquale Steduto has written to ICID President and Secretary General that to make progress to this end without waiting for the forthcoming preparatory meeting of WWF6 (to be held on 18-19 November 2010 in Marseille), FAO is contemplating informally a maiden meeting of these stakeholders at the World Water Week in Stockholm in September.

Dr. Pasquale Steduto adds: (to quote)

"Following the positive experience of the last Forum in Istanbul, FAO sees ICID as a key partner in this type of global events and we would like to reinforce even more our relationship in this occasion. Therefore, we would like to take the opportunity of the coming ICID 6th Asian Regional Conference in Yogyakarta to link up with the ICID community in view of the next Forum."(Unquote)

Item 2 : Proposed Membership

In consultation with President, Secretary General, and the Proposed Chairman, the following initial membership of the Task Force is proposed:

Members: (i) Prof. dr. Bart Schultz, President Hon., ICID, Chair; (ii) Mr. François Brelle (France), Vice Chair ; (iii) Secretary General, ICID; and (iv) Chairmen of the interested Workbodies

Permanent Observers: President, ICID, Chairmen PCSPOA, PCTA, FAO Representative

Item 3 : Report by the French Committee on the Kick-off Forum meeting 2, 3 and 4 June, Paris and Marseille, France

The report on the Kick-off Forum meeting 2, 3 and 4 June, Paris and Marseille, France, as prepared by the French Committee, will be circulated before the meeting.

Item 4 : Proposed Terms of Reference (ToR):

In consultation with President and the proposed Chair, Secretary General has drafted Terms of Reference (ToR):

1. To liaise with 6th WWF Program Committee and other International Bodies

2. To provide overarching lead role on behalf of ICID for inputs to 6th WWF by liaising with:

   (i) National Committees for inputs to the themes and sub-themes of the 6th WWF, of direct relevance to ICID

   (ii) Workbodies on specific subjects related with 6th WWF

3. To liaise with French National Committee (AFEID) for preparatory work of 6th WWF and

4. To recommend ICID inputs for 6th WWF for consideration in 62nd IEC

Item 5 : FAO initiative on Water for Food

Brief presentation of Dr. Pasquale Steduto on the FAO initiative with respect to **'Water for Food',** leading to WWF-6. A separate roundtable is expected to be organized during the conference.

Item 6 : Proposed activities up to WWF-6

Within the scope of the ToR the Task Force is expected to formulate its initial ideas on activities to be developed up to the Forum.

Item 7 : Other business

Annex [Appendix XIX]

Marseilles, 30 May 2010

CONSEIL MONDIAL DE L'EAU
WORLD WATER COUNCIL

Le Président

Mr.Gopalakrishnan
Secretary General
ICID
48, Nyaya Marg, Chanakyapuri,
New Dehli 11 0021
INDIA

Dear Mr.Gopalakrishnan,

I would like to thank you very much for sending me a copy of the publication from ICID on "Water and food for ending poverty and hunger".

The conclusions and recommendations of this very valuable and interesting publication will for sure contribute to an improved water management for food production in order to reduce poverty and hunger.

Please be assured that the topic "water for food" is a priority for the World Water Council and will also be a key issue for the next World Water Forum to be held in Marseille in March 2012.

With my personal regards,

Sincerely yours,

Loïc FAUCHON

2-4 place d'Arvieux 13002 Marseille France
Tél. 33 (0)4 91 57 60 17 - Fax 33 (0)4 91 57 63 74
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APPENDIX XX [PCTA Item 4.3.4]

Agenda for the Twenty-fifth Meeting of the
WORKING GROUP ON COMPREHENSIVE APPROACHES TO FLOOD MANAGEMENT (WG-CAFM)
Yogyakarta, Indonesia
12 October 2010: 13.30-17.00 hours

Strategy Theme : Basin

Year of Establishment: 1999 **Completion of the Mandate: 2009**

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

Members: (1) Vice President Engr. Dr. Illahi B. Shaikh, Interim Chairman (Pakistan, 2009); (2) Dr. Kamran Emami, Vice-Chairman (Iran, 2009); (3) Dr. Takao Masumoto, Secretary (Japan, 2009); (4) Mr. V.C. Ballard (Australia, 1992); (5) Dr. Lajos Szlavik (Hungary, 1996); (6) Prof. M.F. Viljoen (South Africa, 1997); (7) Mr. Jin Soo Kim (Korea, 2000); (8) Prof. Josip Petras (Croatia, 2002); (9) Mr. Ahmet Seren (Turkey, 2006); (10) Prof. dr. Franc Steinman (Slovenia, 2006); (11) Mr. Maurice Roos (USA, 2006); (12) Ir. Jos van Alphen (The Netherlands, 2007); (13) Dr. Jianming Ma (China, 2008); (14) Mr. G.S. Purba (India, 2009); and (15) Secretary General, ICID.

Permanent Observers: (i) FAO representative; (ii) UNDRO representative; (iii) WMO representative; and (iv) World Bank representative.

Website: <http://www.wg-farm.icidonline.org>

Item 1 : Confirmation of the minutes of the 24th meeting of the Working Group

The minutes of the 24th meeting of the Working Group held on 07 December 2009 at New Delhi (India) will be confirmed.

Item 2 : Review of the Membership of the Working Group

The German National Committee of ICID (GECID) has nominated (14 April 2010) Dr.-Ing. Klaus Röttcher (Germany) for the membership of the WG-CAFM. Dr. Röttcher's CV will be made available during the meeting for consideration.

At New Delhi (2009) meeting, nomination of Mr. Zarar Aslam (Pakistan) in place of Vice President Engr. Dr. I.B. Shaikh by Pakistan National Committee of ICID (PANCID) was deferred as he was neither present nor represented by anyone from PANCID during the meeting. The Central Office has requested (03 May 2010) PANCID to confirm the above nomination or send a fresh nomination. Response is awaited.

Following the advice from Dr. Maurice Roos (USA) during the New Delhi (2009) meeting of the WG, the Central Office contacted (06 July 2010) Ir. Jos van Alphen (The Netherlands) to explore if he could accept the Chairmanship of the WG. Ir. Alphen informed (07 July 2010) that he could not accept the offer due to his preoccupation with the projects on development of flood risk approaches (UK, USACE, Japan and NL) and will be unable to spare time for the activities of WG-CAFM. Central Office then requested NETHCID to explore whether someone from Deltares (former Delft Hydraulics) could continue the Dutch presence in WG-CAFM. Response is awaited.

Fresh nominations from National Committees of Czech Republic, Canada, Indonesia and Morocco have been requested (03 May 2010) for the membership of WG-CAFM. Responses are awaited.

Attendance of members at meetings in 2008and 2009 will be presented during the meeting. It may be noted that representation of a member in the Working Group meeting by any other representative of the concerned National Committee is not deemed to be a contribution by a member. Refer to Annex 1 of PCSPOA Agenda (page A-10) and ICID by-law 3.1.7 which stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

It is observed that members from Hungary, Australia, South Africa, Korea, Croatia, Slovenia and The Netherlands have not been contributing to the activities of the WG for past two or more years. In view of above, the Central Office requested these National Committees to either confirm the participation of their existing nominees or send a fresh nomination. Their responses are awaited.

2.1 Election of new Chairman of the WG

Vice President Engr. Dr. Illahi B. Shaikh (Pakistan) informed (10 May 2010) that he would like to step down from his Interim Chairmanship of WG-CAFM due to his retirement from the Government Services of Pakistan. He suggested to elect a new Chairman for the WG to carry forward the mandate of the WG.

The Working Group may wish to elect a new Chairman during the meeting.

Item 3 : Tenure and mandate of WG

The issue of tenure and the new mandate were discussed under Item 3 of the minutes of the New Delhi (2009) meeting. A coherent mandate or work plan awaits finalization. VP Engr. Dr. Illahi B. Shaikh, Interim Chairman of WG-CAFM conveyed (10 May 2010) that new emerging issues like climate change, sea level rises, flash floods, adaptation strategy of people living in flood prone areas etc. may be included in the new mandate. The ICID Central Office contacted (06 July 2010) Dr. Kamran Emami (Iran), Vice-Chairman and Dr. T. Masumoto (Japan), Secretary of the WG-CAFM on the subject. Responses are awaited.

The new mandate will be considered in the meeting of the WG and submitted to PCTA/IEC.

The Chairman may apprise the WG.

Item 4 : Presentations on Floods (*Country Case Studies*)

Continuing the tradition of a '*Presentation on Floods'* by the concerned host national committee, the Central Office invited (03 May 2010) the Indonesian National Committee (INACID) to contribute. Response is awaited.

Item 5 : New Working Group on "Value Engineering"

The launching of a new Working Group on 'Value Engineering' was supported by WG-CAFM in principle during the New Delhi (2009) meeting and was referred to PCTA / IEC for consideration. The recommendation was that a workshop on 'Value Engineering: its applications in Irrigation and Drainage' be organized for arriving at a appropriate decision. However, no time frame for organizing this workshop was mentioned.

As the activity is already quite delayed, the Central Office requested (03 May 2010) Dr. K. Emami (Iran) to help organize this workshop during Yogyakarta (2010) meetings and send a brief announcement (scope, themes, sub-themes, deadlines etc) for its circulation and inviting contributions from members. Response is awaited.
The Chairman may apprise the WG.

Item 6 : New Structured Wok plan

In view of the new mandate, a new structured work plan for WG-CAFM needs to be prepared and responsibilities assigned during this meeting.

Item 7 : Any Other Business

The ICID Central Office circulated (06 July 2010) a Discussion Paper on "*Identifying uncertainty and defining risk in the context of the WWDR-4"* (as received from United Nations World Water Assessment Programme- UNW-WAP, Italy) to the members of the WG-CAFM for information. The purpose of the paper is –

(i) to help establish a common understanding and acceptable definition of risk and uncertainty in the border context of water resources, their use and management;

(ii) to recommend components of a comprehensive definition of risk that can help orient discussions on risk and management in water resources for the 4th World Water Development Report.

It was requested that members may peruse the paper and submit their observations / comments for consideration during the Yogyakarta (2010) meeting.

APPENDIX XXI [PCTA Item 4.2.1]

Agenda for the Fourth Meeting of the
WORKING GROUP ON MODERNIZATION OF IRRIGATION SERVICES (WG-MIS)
Yogyakarta, Indonesia
12 October 2010 : 13.30-17.00 hours

Strategy Theme: Systems

Year of Establishment: 2007 **Completion of the Mandate: 2012**

Mandate: To provide a continuing focus in ICID for sustainable improvement of irrigation service delivery through progressive modernization of infrastructure, management and institution.

Members: (1) Dr. Maurits Ertsen, Chairman, 2007 (The Netherlands, 2007); (2) Dr. Francois Brelle, Vice Chairman (France, 2007); (3) VP Dr. Willem F. Vlotman, Secretary (Australia, 2008); (4) Mr. Lee, Tsong-Hwei (Chinese Taipei, 2007); (5) Mr. Thomas E. Mitchel (USA, 2007); (6) Dr. Jiesheng Huang (China, 2007); (7) Dr. M.K. Siahi (Iran, 2007); (8) Mr. Ian William Makin (UK, 2008); (9) Mr. Sezar Ercan (Turkey, 2008); (10) Dr. Ashwani Kumar (India, 2008); (11) Ms. Marina Pintar (Slovenia, 2008); (12) Prof. Filali B. Abdelwahab (Morocco, 2008); (13) Dr. Masayoshi Satoh (Japan, 2008); (14) Dr. Lee, Yong-Jig (Korea, 2008); (15) Dr. José M. García-Asensio (Spain, 2008); (16) Mr. Andre Roux (South Africa, 2008); (17) Engr. Syed Mansoob Ali Zaidi (Pakistan, 2009); and (18) Secretary General, ICID.

Permanent Observers: (i) FAO Representative; (ii) IPTRID Representative; (iii) PH Peter S. Lee (UK); and (iv) Mr. H. Plusquellec (USA/France).

(Dr. Maurits Ertsen, Chairman, WG-MIS vide e-mail of 19 July 2010 has informed the Central Office that he will not be attending the Yogyakarta events.)

Website: <http://www.wg-mis.icidonline.org>

Item 1 : Confirmation of the minutes of the 3rd meeting held at New Delhi

The minutes of the 3rd meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

Item 2 : Membership of the Group

No new nomination was received by the Central Office for the membership of the Working Group.

Attendance of members at the meetings held in 2008 and 2009 will be circulated at the meeting.

Item 3 : Website of the Group

At the New Delhi meeting, the Chairman requested contributions from the members for posting on the WG webpage <http://www.misicid.citg.tudelft.nl>. He requested members to check the web page and provide comments/ observations so as to further improve it.

Dr. Maurits Ertsen, Chairman has brought out a book *"Locales of happiness – Colonial irrigation in the Netherlands East Indies and its remains".* The book provides valuable information about Colonial irrigation in the Netherlands, East Indies and its remains.

ICID Central Office has disseminated the book announcement amongst all National Committees and members of Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST) with a request to circulate it to the relevant academic institutions and interested professionals within their country. Dr. Ertsen will brief and circulate the flyers of the book during the meeting.

As suggested at the last meeting, the Central Office has provided an overview and links to publications brought out by the predecessor WGs. Members are encouraged to report events/ documents related to the activities of the group.

Item 4 : Un-Water Task Force on Indicators–Monitoring-Reporting

The UN-Water with World Water Assessment Program (WWAP) as coordinator had established a Task Force on "Indicators-Monitoring-Reporting" (IMR). The purpose of the Task Force was to prepare a working paper on "Common framework for global monitoring and reporting on water and sanitation through a defined set of domains and key indicators". It focuses on the selection of a minimum set of key indicators for reporting at global level on the water sector.

The Chairman had contributed the ICID work related to the UN-Water Task Force. During the New Delhi meeting, the WG expressed its interest in knowing further developments of the TF-IMR. The Chairman may like to appraise updates of the TF at the meeting.

Item 5 : Work Plan of the Group for the period 2010-2012

At the New Delhi meeting in December 2009, the WG discussed and agreed on the following four tasks as part of the work plan;

1. **Use of MASCOTTE:** MASSCOTE can help in formulating data collection process, its analysis, and subsequent follow-up. It was proposed to make presentations of case studies from different countries,
2. **Improvement of Irrigation Service Delivery**: To study various technological, legal and organisational aspects and options for improved irrigation service delivery,
3. **The History of Modernisation:** Modernisation is not a new concept and possibly some work can be undertaken in collaboration with WG-HIST, and
4. **Capacity building** in cooperation with WG-YPF

The key feedback received from members/ observers during the discussions at the New Delhi meeting was as follows:

- In Australia, MASSCOTE is not used but similar tools are used.
- Slovenia representative indicated that EEA had an activity to find out how water was used for irrigation by various European countries. Water measurement was done at a very few places and there was paucity of good data on quantity of water used. Among the EU countries, only Germany has large number of flow measurement sites; while other countries measure only 10% of their water use.
- In South Africa, remote sensing has been deployed in order to compile water use information from irrigators.
- In India it was indicated to shift the focus from supply to demand side in agriculture as the demand for industrial use was increasing.
- In Chinese Taipei the telemetry is used for water measurement.
- Accurate but simple portable measuring devices are needed to be used by irrigation managers and farmers.

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It was acknowledged that water measurement is important but also that a lot of work has been done in this area. It was opined that the cost/benefit aspects of flow measurements has not been adequately covered.

The WG proposed to carry out an overview of the contribution made by the erstwhile/ previous working groups of ICID to flow measurement. Chairman may like to nominate a team among the members towards this task.

Item 6 : Internal Workshop of the WG

The Chairman proposed to reformulate the objective in use of MASSCOTE in broader terms. The Group agreed to a call for submitting cases for presentation/discussion during the internal workshop of the WG at the Yogyakarta meeting. The internal workshop will be held within the allotted time slot of the WG meeting. The following professionals had volunteered to make presentations/ contribute to MASSCOTE case studies.

- Prof. Ir. Dr. Mohd Amin bin Mohd Soom, through Malaysian National Committee (MANCID),
- Er. R. B. Ghote, Chief Engineer, Govt. of Maharashtra, India,
- Prof Dr. Marina Pintar, Slovenia, will provide further information on EEA report/study,
- Dr. Wei-Jaw Lin, Chief Irrigation Management Section, Department of Irrigation and Engineering, Chinese Taipei,
- Mr. Lee, Tsong-Hwei, Sr Advisor, Water Resources Management and Policy Research Center of Tamkang University, Chinese Taipei,
- Er. N. B. Patel, Superintending Engineer, Gujarat, India.
- Mr. Muralidhar, N.V., India,
- Engr. Syed Mansoob Ali Zaidi, Pakistan,
- Mr. Kazumi Ueda, Chairman NTC Holdings, Japan (representing Prof Satoh),
- Dr. Sanjay Belsare, Executive Engineer, Govt. of Maharashtra, India,
- Mr. Andre Roux, Director Sustainable Resource Management, South Africa,
- Mr. Ian Moorhouse, General Manager Operations, G-MW, Australia, and
- Dr. Ashwani Kumar, Director, Water Technology Center, Bhubaneshwar, Orissa, ICAR, India

Dr. Ertsen, Chairman and the Central Office have followed up with the above professionals to provide their presentations. Chairman will provide a feedback on the responses received and decide on the presentations to be made at the meeting.

Item 7 : Any other business

APPENDIX XXII [PCTA Item 4.4.1]

Agenda for the Third Meeting of the
WORKING GROUP ON WATER AND CROPS (WG-CROP)
Yogyakarta, Indonesia
12 October 2010: 13:30-17:00 hours

Strategy Theme : On-Farm

Year of Establishment: 2007 **Completion of the Mandate: 2013**

Mandate: To promote the efficient use of water in crop production, to provide input to test crop water models, to investigate the use of energy crops for bio-fuel production, to develop techniques for rainfall harvesting, to promote the multifunctional use of water in paddy (rice) cultivation, to investigate the adaptation of agriculture to climate change and to promote low input agriculture.

Members: (1) Dr. Ragab Ragab, Chairman (UK, 2007); (2) Mr. Laurie C. Tollefson, Vice-Chairman (Canada,2009); (3) Vice President Hon. Dr. B.I. Maticic (Slovenia,2007); (4) Prof. M.E.V. Scarascia (Italy); (5) Prof. R.G. Allen (USA,2007); (6) VPH Cai Lingen (China,2007); (7) Dr. Y. Nakano (Japan,2007); (8) Mr. Tai Cheol Kim (Korea,2007); (9) Mr. Chen Yih-Rong (Chinese Taipei,2007); (10) Mr. Vincente Carelon (Spain,2007); (11) Dr. Andrew Sanewe (South Africa,2007); (12) Dr. Florent Maraux (France,2007); (13) Dr. K. Yella Reddy (India,2009); (14) Ms. Jaleh Vaziri (Iran,2009); (15) Prof. Rai. Niaz (Pakistan,2009); and (16) Secretary General, ICID.

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

Website: <http://www.wg-crop.icidonline.org>.

Item 1 : Confirmation of the minutes of the 2nd meeting the WG-CROP

The minutes of the 2nd meeting of the Working Group held in December 2009 at New Delhi, India will be confirmed.

Item 2 : Review of the membership of the Working Group

The Japanese National Committee of ICID (JNC-ICID) has sent (19 May 2010) the nomination of Dr. Koji Inosako (Japan) for the membership of Working Group on Water and Crops (WG-CROP). Dr. Inosako's CV will be made available during the meeting for consideration.

2.1 Observer Status to ICRISAT

Following the ICRISAT's (International Crops Research Institute for the Semi-Arid Tropics) presentation on biofuel and food crops during the New Delhi (2009) meeting of the WG, it was proposed to invite ICRISAT to be an observer in the WG. The ICID Central Office invited (25 June 2010) ICRISAT to be a '*Permanent Observer'* in the WG-CROP. Respoding to ICID's invitation, ICRISAT has confirmed (01 July 2010) that Mr. C.L. Laxmipathi Gowda, Global Theme Leader – Crop Improvement, ICRISAT, Patancheru PO, Hyderabad, India will represent ICRISAT as a *'Permanent Observer'* in the WG. Members may note.

2.2 Election of new Secretary

The WG may consider electing a new Secretary for the WG during the meeting.

A ITEMS EMERGING FROM THE ERSTWHILE WG-CROP

Item 3 : Organic versus Conventional Farming

The WG members expressed their interest in studying organic agriculture during New Delhi meeting (2009). It has been desired to enlarge the activities in the field of organic versus conventional farming. Special emphasis is expected on the impacts of organic farming on the components of the water balance and on water quality. The Central Office is in contact (04 July 2010) with the Chairman on the issue. Response is awaited.

The Chairman may apprise the WG.

Item 4 : Precision Agriculture

The WG had shown great interest in this area during the New Delhi (2009) meeting of the WG. The Chairman informed the members on the work carried out on the subject in one of the EU funded project "SAFIR" (*more information available at www.safir4eu.org*) and invited WG members to download the model developed and related documents from the project website.

In order to study the subject in depth and make a few presentations on "*Precision Agriculture*" during the meeting of the WG at Yogyakarta, the Central Office invited (30 April 2010) members to prepare and make presentations on the subject. Responses are awaited.

The Chairman may apprise the WG.

Item 5 : Website of WG

The Chairman and Central Office have been updating the WG activities in the webpage of WG-CROP from time to time. A lot of information, documents and links are available in the website.

Paper titled "*Sweet Sorghum as a Biofuel Feedback : Can there be Food-Feed-Fuel Tradeoffs*?" by P. Srinivas Rao (et al.), Scientist (Sorghum breeder), ICRISAT, was presented during the New Delhi (2009) meeting and is now available on the WG webpage.

The Central Office invited (30 April 2010) briefs on WG activities from the WG members for uploading on the webpage. New inputs on SALTMED model (2009) and related documents were also to be uploaded. Responses are awaited.

The Chairman may apprise the WG.

B ITEMS EMERGING FROM THE NEW MANDATE

Item 6 : Promote the efficient use of water and low input in crop production

Promoting the efficient use of water and low input in crop production was discussed during the New Delhi (2009) meeting and two presentations were proposed to be made on the subject during the Yogyakarta (2010) meeting.

One of the presenters is expected to be Mr. Laurie C. Tollefson (Canada) focusing on his experiences from Canada and the other one was to be identified by the Chairman. The Central Office is in contact (04 July 2010) with Chairman and Mr. Laurie C. Tollefson (also Vice-Chairman of WG-CROP) on the subject.

In response, Mr. Tollefson has agreed (24 July 2010) to make his presentation on "Promoting the efficient use of water in crop production".

Item 7 : Provide input to test crop water models

Providing input to test crop water models was to be supported by some members and non-members once they get familiar with the model data requirements. As a first step, the SALTMED model was to be tried and a list of data requirement be prepared and circulated. Possibility of receiving contribution (data) from Dr. Andrew Sanewe (South Africa) was expressed during New Delhi (2009) meeting.

The ICID Central Office is in contact (04 July 2010) with the Chairman and Dr. Andrew Sanewe on the subject. Responses are awaited.

The Chairman may apprise the WG.

Item 8 : Energy crops for bio-fuel production

'*Energy crops for bio-fuel production*' was of great interest but no activities have been planned so far. It was proposed to take up the issue for discussion again during the Yogyakarta (2010) meeting. To fuel the issue, the WG now has Mr. C.L. Laxmipathi Gowda, Global Theme Leader – Crop Improvement, ICRISAT, Patancheru PO, Hyderabad, India, on board as a *'Permanent Observer'* (refer Item 2).

The Chairman may apprise the WG.

Item 9 : Develop techniques for rainfall harvesting

'*Developing techniques for rainfall harvesting*' was another interesting area for the WG. Dr. Ragab (UK) and Dr. Andrew Sanewe (South Africa) are expected to make presentations on the subject during the Yogyakarta (2010) meeting. The Central Office is in contact (04 July 2010) with them for their presentations. Responses are awaited.

The Chairman may apprise the WG.

Item 10 : Multi-functionality of water use in paddy rice cultivation

'*Multi-functionality of water use in paddy rice cultivation*' was discussed in the New Delhi (2009) meeting and the item was deferred till the next meeting. The members may deliberate on the issue.

The Central Office is in contact (04 July 2010) with the Chairman on related issues for the discussion. Response is awaited.

The Chairman may apprise the WG.

Item 11 : Adaptation of agriculture to climate change

'*Adaptation of agriculture to climate change*' was highly interesting to WG members and two presentations by Prof. Kim, Tai-Cheol (Korea) and Dr. Graziano Ghinassi (Italy) have been planned for the Yogyakarta (2010) meeting.

The Central Office is in contact (04 July 2010) with the authors for their presentations. Responses from them are awaited.

The Chairman may apprise the WG.

Item 12 : Work Plan

A three year rolling work plan needs to be developed.

12.1 International Workshop on '*Water Saving Practices in Agriculture*'

The International Workshop on '*Water Saving Practices in Agriculture*" has been scheduled to be held on 13 October 2010 during 09:00-12:30 hours at Yogyakarta, Indonesia. The Central Office has circulated (16 July 2010) the announcement to National Committees of ICID, Members of the WG-CROP and WG-WATS for inviting their valuable papers for the workshop. The sub-themes of the workshop are:

Theme 1: Field measurements for water saving and precise measurements of the water balance components

Theme 2: The role of water authorities and institution for water saving

Theme 3: Operational control of water supplies for water saving

Theme 4: Water management for water saving at farm level

Theme 5: Re-use and cyclic use for water saving

Theme 6: Computer support, modeling and decision support systems for water saving

Theme 7: The role of the Industry in water savings

Theme 8: Plant varieties selection *for water savings*

All members and others are encouraged to actively participate in the workshop to enrich its proceedings.

The Chairman may further apprise the WG.

Item 13 : Any other business

INWEPF Symposium in Thailand

The 5th THAICID National Symposium and 1st Thailand INWEPF (International Network for Water and Ecosystem in Paddy Fields) Symposium were jointly held on 17 June 2010 in Nonthaburi Province, Thailand. The symposium theme was "*Multiple Roles of Paddy Fields Related to Integrated Resources Management*". For more information, please access their website at:

<http://www.rid.go.th/thaicid/> and <http://kromchol.rid.go.th/ffd/inwepf/inwepf%20eng.html>

FAO/UNW-DPC /ICID side event in Indonesia

A side event preceding the 61st International Executive Council (IEC) and 6th Asian Regional Conference (ARC) will be held during 8-9 October 2010 at Yogyakarta, Indonesia. This event will be jointly organized under the Framework of Cooperation between FAO / UNW-DPC / ICID, as a follow-up of the MoU, signed between ICID and UN-Water Decade Programme on Capacity Development (UNW-DPC).

The goal of this event is to provide an overview of the most strategic applications of 'Aqua Crop' model of FAO in different agro-climate conditions. For more information please contact : Ms. Elisabeth Mullin Bernhardt, Programme Implementation Consultant, UNW-DPC, E-mail :<bernhardt@unwater.unu.edu> or <acquacrop@fao.org>. More information can be accessed at <www.unwater.unu.edu> as well.

APPENDIX XXIII (PCTA Item 4.2.5]

Agenda for the Fourth Meeting of the
TASK FORCE ON FINANCING WATER FOR AGRICULTURE (TF-FIN)
Yogyakarta, Indonesia
12 December 2010: 13:30-18.00 hours

Year of Establishment: 2007

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

(i) the required investments and beneficiaries of those investments in agricultural water, (ii) the presently available financing mechanisms and constraints for maintaining or improving physical irrigation capacity; and (iii) the expected changes and innovations for more appropriate financing mechanisms to enable sustainable water use for food production.

Members : (1) Dr. Gerhard R. Backeberg, Chairman (South Africa 2009); (2) Mr. Eric Viala, Vice Chairman (USA, 2007); (3) Dr. Sylvain-Roger Perret, Secretary (France, 2009)(provisional); (4) Mr. E. Farhadi (Iran, 2009); (5) Dr. K. Yamaoka (Japan 2009); (6) Dr. Brian Davidson (Australia, 2009); (7) Mr. V.K. Chawla (India, 2009); and (8) Secretary General, ICID.

Item 0 : Condolence on the demise of Vice President Hon. Dr. Henri Tardieu

Members may recall that VPH Henri Tardieu attended the last meeting of TF and was accepted as a member of the TF.

The French National Committee of ICID (AFEID) has informed that VPH Henri Tardieu had passed away on 02 April 2010 after a brief illness. It was with deep regrets that we place on record the sad and untimely demise of Vice President Hon. Henri Tardieu. VPH Tardieu was a strong supporter of the objects of ICID and indeed epitomized excellence in all his contributions to the works of Commission through various capacities such as the Vice Chairman of Permanent Committee for Technical Activities (PCTA), Vice Chairman of erstwhile ICID Working Group on Operation, Maintenance and Management of Irrigation and Drainage Projects (WG-OMM), and Strategy Theme Leader of Theme 'Basin' (a position he held admirably till the last IEC meeting in New Delhi in 2009). His valuable contributions as the Chairman of ICID Task Force 3 on "Developing Position Paper on Socio-Economic Sustainability of Services Provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector" and as the Vice President of ICID during the term 1994-1997 are well-known. His significant and noteworthy recent contribution was during the World Water Forum-5 in Istanbul where ICID took over the role of forming a consortium to bring out a position paper on "Topic 2.3: Water and Food for ending poverty and hunger". VPH Tardieu leaves an everlasting imprint of his inspiring personality on all the work of ICID.

His contribution during the proceedings of the last meeting were memorable. This brought into the TF, aspects on Cost Recovery and Sustainability of Irrigation Projects a topic, quite dear to him given his past chairmanship of erstwhile TF3. The TF would miss his inputs, so important for its future works.

At this time of great grief, the TF members record its profound sympathy and condolences to the bereaved family and to the members of the French National Committee. May his soul rest in peace!

Item 1 : Confirmation of minutes of the 3rd meeting of TF-FIN held in New Delhi, India

Dr. Gerhard R. Backeberg, Chairman proposed the following amendment in the 2nd para of the minutes (page 1) of the 3rd meeting of the TF at New Delhi (2009):

Read

"*J Price Gittnger (1982) in his book on Economic Analysis of Agricultural Projects* provided an excellent basis upon which to make the required assessments."

in place of

"It is suggested that Gittinger provided an excellent basis upon which to make the required assessments"

The minutes of the 3rd meeting of the TF-FIN held at New Delhi (2009), India will be confirmed.

Item 2 : Membership of the Task Force

The Pakistan National Committee on Irrigation and Drainage (PANCID) has nominated Mr. Bashir Ahmed Sial (Pakistan) for the membership of TF-FIN. CV of Mr. Sial will be made available during the meeting for consideration.

The nominations of Dr. Brian Davidson (Australia) and Dr. Sylvain Perret (France) were considered during New Delhi (2009) meeting and provisionally accepted, subject to formal nominations from their respective National Committees.

The Australian National Committee of ICID (IAL) has now formally nominated (01 July 2010) Dr. Brian Davidson for the membership of TF-FIN.

A formal nomination of Dr. Sylvain Perret from AFEID is awaited.

No other new nominations have been received so far.

The Chairman may apprise the TF members.

NEW ITEMS

Item 3 : Proposed Work Plan up to 2012

To better understand the complexities involved in the mandate (above), the following three questions are proposed as guideline for the work plan:

1. What are the priorities for financing infrastructure for agriculture?
   (Expansion or efficiency improvement of irrigated agriculture; small-scale subsistence or large-scale commercial enterprises)

2. Who should pay for these investments?
   (Public or private interests or both)

3. What financing mechanisms are most appropriate?
   (Review of a mix of policy instruments that are complementary but consistent)

Given the above, the TF proposes the following workshops till 2012:

2010: Topic: Country policies and strategies on financing and implementation of current water user charging systems in irrigation.

2011: Topic: Water user charging systems and available financing of irrigation: Case studies and cross-country comparisons

2012: Topic: Priorities for financing water for agriculture, public or private sources and appropriate financing mechanisms (Proceedings or report by the Task Force).

Frameworks, guidelines and responsibilities for papers **(Annex 1)** presented during workshops as well as the final proceedings or position paper will be discussed during consecutive Task Force meetings.

The Chairman may apprise the TF members.

Item 4 : Converting the Task Force to a Working Group and proposed Work Plan up to 2012

The Secretary General in his e-mail (24 June 2010) to Dr Backeberg, Chairman proposed the idea of converting the TF-FIN in to WG-FIN following the example of TF-POVERTY to WG- POVERTY in 2009. Dr Backeberg had agreed (5 July 2010) in principle to the proposal. Chairman has informed that the TF would adhere to the reformulated work plan and time schedule as in Item 3.

The Chairman may apprise the TF members.

Item 5 : Workshop on "Country policies and strategies on financing and implementation of current water user charging systems in irrigation" during the meeting at Indonesia

An internal TF Workshop on "*Country policies and strategies on financing and implementation of current water user charging systems in irrigation*" has been scheduled to be held on 12 October 2010 during 13:30-17:00 hours. The workshop announcement has been circulated (23 July 2010) amongst the members only for their contributions as described in the announcement **(Annex 2).** All members have been requested to actively participate in the workshop to enrich the proceedings.

The Chairman may further apprise the members.

Item 6 : Proposed full day Workshops in Iran (2011) and Australia (2012)

Given the nature of ICID task forces or working groups, namely representation of member countries, the effective way to achieve the objective is to share country experiences through the expert country representatives by means of annual workshops.

In view of above, the TF proposes to discuss the feasibility of organizing a full-day workshop during the annual meetings of ICID in Iran in 2011 and in Australia in 2012.

The Chairman may apprise the TF members.

Item 7 : Preparation of a position paper on "Financing Water for Agriculture"

The proceedings of these workshops will form the basis for a report/position paper of the TF-FIN on conclusion of its activities for reporting to IEC.

Item 8 : Other issues for discussion

Annex 1 [Appendix XXIII, Item 3]

BACKGROUND FOR ESTABLISHING THE TASK FORCE ON FINANCING WATER FOR AGRICULTURE (originally established in September 2007 but active since December 2009)

In order to sustain food security and the economic contribution of the agricultural sector to society, adaptation of agricultural water management and associated institutions and infrastructure are necessary in many regions, due to the rapidly changing natural, social, economic and political environment.

In recent years it is widely accepted that water management for agriculture must be approached in a holistic way. This starts from the national water system, through the river basin and irrigation scheme system up to the farming system. At each level of complexity different decision-makers have responsibilities which impact on the whole system. These inter-relationships are particularly relevant to the question of sustainable financing of water for agriculture, specifically for the development of irrigation schemes.

Redirection of investments is to take place to meet the MDGs and to face the challenge of population growth, malnutrition and poverty, increasing competition for land and water, and the requirement to protect the ecology. New challenges are appearing that make adaptation to climate change and increasing energy costs essential.

Investors in water supply projects for agriculture are tending to evaluate the complete food value chain (farming inputs-crop production-distribution-processing-storage-retailing-consumption). In addition to traditional markets, potential new markets are emerging, such as consumer driven demand for processed, ready-made food. Apart from farmers and water service operators at the irrigation scheme level, a range of actors are involved through backward (upstream) and forward (downstream) linkages up to the consumer.

Future investments in water for agriculture will therefore be analysed differently than has conventionally been done in the past. This includes the scale of projects, the collective interests which initiate or support development projects and the sources of funding to finance the projects. Clear guidelines for individual/collective action, private/public responsibility and national/international financiers will be useful to direct investments in water for agriculture.

To better understand the above complexity, the Task Force on Financing Water for Agriculture (TF:FIN) formulated three main questions as a guideline for the workplan:

1. What are the priorities for financing infrastructure for agriculture?
   (Expansion or efficiency improvement of irrigated agriculture; small-scale subsistence or large-scale commercial enterprises)

2. Who should pay for these investments?
   (Public or private interests or both)

3. What financing mechanisms are most appropriate?
   (Review of a mix of policy instruments that are complementary but consistent)

These questions are the basis for the plan of action over the next 3 years. In order to effectively perform the tasks, it was agreed during the meeting held in December 2009 in New Delhi to focus on the core issues and not to duplicate material that is generally available in the literature. Given the nature of ICID task forces or working groups, namely representation of member countries, the effective way is to (1) share country experiences through (2) the expert country representatives by means of (3) annual workshops. That contribution can then form the basis for a report of the TF:FIN and conclusion of the activities.

The following topics for workshops are considered appropriate:

2009: Principles and approaches to guide development and financing of water supply for irrigation schemes.

2010: Country policies and strategies on financing and implementation of current water user charging systems in irrigation.

2011: Water user charging systems and available financing of irrigation: Case studies and cross-country comparisons

2012: Proceedings or report by the Task Force on priorities for financing water for agriculture, public or private sources and appropriate financing mechanisms.

For successful completion of these tasks two issues are paramount: First, all task force members must prepare papers on the country they are representing for the specific workshop topic per meeting. If a specific member is not interested or capable of preparing the paper, they are free or obliged to nominate a colleague from that country to do so. Second, the content of the paper for each topic must be informed by the questions which guide the activities of the Task Force. If this is consistently done, it should be possible to have proceedings in two parts, principles and practices, highlighting the similarities and differences of wide ranging situations in ICID member countries. The proceedings will obviously have an introduction and conclusion, with a summary or synthesis.

Frameworks, guidelines and responsibilities for papers presented during workshops as well as the final proceedings or position paper will be discussed during consecutive Task Force meetings.

Annex 2 [Appendix XXIII, Item 5]

ICID•CIID

Workshop of TF-FIN on "Country policies and strategies on financing and implementation of current water user charging systems in irrigation"
12 October 2010 (13:30-18:00 hours)
Yogyakarta, Indonesia

Background : In view of the questions to be addressed by the Task Force as part of the Work Plan, the papers for the Workshop should focus on the policies and strategies of each country regarding financing of irrigation, with particular attention to water user charging systems. The papers should briefly sketch the irrigation situation (area irrigated, water allocated, crops produced, scale of irrigation schemes, farmer typologies, etc.); this should be followed by a critical review of the most recent official policies and strategies, with priorities for expansion or increased productivity in future; lastly a clear indication should be given to what extent the strategies are effectively being implemented. These papers will set the scene for case studies and country comparisons of actual financing for irrigation development and levying of user charges for existing or new irrigation schemes, which will be the subject of papers for the workshop in Iran.

Participation : Participating countries on the Task Force representing Australia, India, Iran, Japan, Pakistan, South Africa, Thailand, USA and possibly France, are urged to consider preparing relevant papers and presentations. If individual members are not in a position to do so for whatever reason, alternate representatives from that particular country are welcome to make inputs.

Guidelines: Papers should have a length of between 3000 to 4000 words, 12 font, single spacing (including abstract, figures/tables and references). On this basis a programme will be drawn up and circulated between Task Force members. Hard copies and electronic versions of papers should be handed in during the workshop. Only papers actually completed at the time of the Workshop will be considered for inclusion in the final Proceedings or Position Paper of the Task Force.

Deadlines : Please confirm **not later than 17 September 2010** by e-mail to Dr Vijay K. Labhsetwar at ICID Central Office whether a presentation will be made with copy to Workshop Chairman.

The Internal Workshop is being organized by ICID's Task Force on Financing Water for Agriculture (TF-FIN) during its 61st International Executive Council (IEC) Meeting and 6th Asian Regional Conference from 10-16 October 2010 at Yogyakarta, Indonesia.

Contact persons:

Workshop Chairman : Dr. Gerhard Backeberg (South Africa), Director : Water Utilisation in Agriculture, Water Research Commission, Private Bag X03, 0031 Gezina, Pretoria, South Africa, Tel.: (012) 330-9043, Fax : (012) 331-1136, E-mail : gerhardb@wrc.org.za

Workshop Coordinator : Dr. Vijay K. Labhsetwar, **International Commission on Irrigation and Drainage (ICID)**, 48 Nyaya Marg, Chanakyapuri, New Delhi 110021, India. Tel: +91 11 26115679/26116837/24679532, Fax: +91 11 26115962; E-mail: icid@icid.org.

Website: Please access conference website: http://www.icid2010.org for more information on events during 61st IEC and 6th Asian Regional Conference at Yogyakarta, Indonesia

APPENDIX XXIV [PCTA Item 4.1.2]

Agenda for the Seventeenth Meeting of the
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)
Yogyakarta, Indonesia
13 October 2010: 09:00-12:30 hours

Year of Establishment: 1994

Mandate:

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

Members : (1) President Hon. Prof. dr. Bart Schultz, Chairman (The Netherlands, 2002); (2) Vice President Hon. Prof. Hector Malano, Joint Editor (2008) (Australia, 2001); (3) Dr Nick C. Van de Giesen, Joint Editor (2008) (The Netherlands, 2007); (4) Ir. Paul J.M. van Hofwegen, Editor Emeritus (The Netherlands, 2008); (5) Dr. Bryan P. Thoreson. Associate Editor (USA, 2001); (6) Mrs. Isabelle M. Proulx, Associate Editor (Canada, 2003); (7) Prof. Mrs. Ir. Indreswari Guritno, Associate Editor (Indonesia, 2004); (8) Dr. Benjamin de León Mojarro, Associate Editor (Mexico, 2005); (9) Dr. Bruce Lankford, Associate Editor (UK, 2009); (10) Dr. Macel Kuper, Associate Editor (France, 2009); (11) Prof. Machiel F. Viljoen, Associate Editor (South Africa, 2009); (12) Vice President Hon. Larry D. Stephens (USA, 2001); (13) Prof. D.D. Wrachien (Italy, 2001); (14) Vice President Hon. Dr. S. Nairizi (Iran, 2001); (15) Dr. Chris Perry (UK, 2001); (16) Dr. Muhammad Latif (Pakistan, 2002); (17) Vice President Hon. Prof. Kwun, Soon-Kuk (Korea, 2003); (18) Dr. Joachim Quast (Germany, 2004); (19) Prof. Y.C. Tan (Chinese Taipei, 2006); (20) Prof. Dr. Jinzhang Yang (China, 2007); (21) Mr. C.M Pandit (India, 2009); (22) Dr. Yohei Sato (Japan, 2009); (23) Prof. Dr. Mohd. Amin bin Mohd. Soom (Malaysia, 2009); and (24) Dr. Vijay K. Labhsetwar, Coordinator (ICID Central Office).

Website: <http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1531-0361>

Item 1 : Passing away of VPH Henri Tardieu

Due to an accident our colleague and friend passed away on 2 April 2010. Among his many other activities in ICID, VPH Henri Tardieu was a very active member of the Editorial Board and took care for the checking of the French Resumes. We will commemorate Dr. Henri Tardieu at the beginning of the meeting.

Item 2 : Confirmation of the minutes of 16th meeting of the Editorial Board

The draft minutes of the 16th meeting have been published on the ICID website and were disseminated among the members of EB-JOUR. They will be confirmed during the meeting.

Item 3 : Review of the membership of the Editorial Board

3.1 Term of members

The Chairman has requested some of the members whether they would like to continue their membership. The Chairman may apprise EB members.

3.2 Nominated members

The French committee has nominated Mr. Bernard Vincent (France**)** to become the Associate Editor with a specific task to check the French resumes. At request of the Chairman, Bernard Vincent has already started with his activities.

Item 4 : Reports (from Editor, Chairman etc.)

4.1 Report of the Chairman

The Chairman's report of 2009 and an update will be disseminated before the meeting among the members of the Editorial Board. In general the Journal is doing well. The Impact factor has improved from 0.480 in 2008 to 1.108 in 2009. A serious problem is that although we are much stricter in our acceptance of papers, we still have quite a delay in the actual publishing of papers. This has resulted in a long list of papers under early view.

4.2 Special Issues

In 2009 three sponsored Special Issues have been published on the themes listed below:

- *Water for Food and Poverty Alleviation* at the occasion of the 5th World Water Forum (Issue 58, Suppl. 1);
- *The Water Professional of Tomorrow* (Issue 58, Suppl. 2), based on reviewed papers of the NETHCID symposium on. Published together with Wageningen University; and
- *Irrigation Management in North Africa* (Issue 58, Suppl. 3), based on papers prepared in the framework of the SIRMA (Irrigation Systems for Maghreb) project. Published together with the Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD), France.

The special issue with selected papers from the Lahore (2008) Congress has been published in issue 59.1.

For 2010, no sponsored Special Issues are expected.

For 2011, there may be two sponsored Special Issues:

- Selected papers from the Handbook on Sustainable Development of Tidal Areas; and
- Selected papers from the 25th European Regional Conference during 16-20 May 2011 at Groningen, the Netherlands.

4.3 Two ICID pages per issue

The ICID Central Office has been regularly and timely providing relevant text of interest in these two pages.

4.4 Book Reviews

EB is still looking for a volunteer to take care of the book reviews.

4.5 French resumés

Since 2007, VPH Henri Tardieu (France) had taken care of checking the French Resumés of all the English abstracts for the Journal on a voluntary basis. After the passing away of Henri, the chairman had contacted the French National Committee with the request if another specialist could take over this task. This has resulted in the nomination of Mr. Bernard Vincent.

4.6 Recognition to the reviewers

The guest editors and reviewers of 2009 have been acknowledged on separate pages in the first issue of 2010.

4.7 Best Paper Award 2010

In 2009, 81 papers have been published. Out of these the best paper will be selected by the Chairman, the Joint Editors and the Associated Editors. The Best Paper Award is a citation plaque along with a cash prize of either £ 250, or £ 400 – in the form of Gift Books (Wiley Publications), and the awardee will have an option to choose. The '*Best Paper Award 2010'* will be presented to the winner during the IEC meeting on 15 October 2010 at Yogyakarta, Indonesia.

Item 5 : Distribution of the Journal among the ICID membership

Under the third Agreement with M/s Wiley-Blackwell for the period 2009-2013, each National Committee receives ten copies - online + print, or online only - of each issue of *Irrigation and Drainage* for free. In addition, one online access of each issue for each individual who is an incumbent, or active honoraire office bearer, or an active member of an ICID work body will be provided. In addition each individual member of a National ICID Committee is entitled to receive an online only, or an online + print subscription at the special discounted ICID member subscription fee. The hard copies are sent by M/s Wiley directly to the National Committees.

Fiji being the newest country joining ICID in 2010, the Central Office invited (30 April 2010) Fiji to provide names of ten professionals from their National Committee for receiving free copies of our journal. Response is awaited.

The Central Office compilation (2010) covering all above categories show that there are 279 online (only) subscriptions, 291 copies as online + print and 314 as print only subscriptions (Total = 884).

The Chairman may apprise the EB members.

Item 6 : Review the Duties of the Editorial Board

Last year the duties of the editorial board have been updated, taking into account a more clear distinction between the tasks of the Joint Editors and Associate Editor(s) and the tasks of the other members of the EB.

Any comments/suggestions on this issue are welcome.

Item 7 : Issues related to M/s Wiley-Blackwell

7.1 Number of pages per issue

After the decisions taken last year, it has been seriously investigated whether we can publish 5 issues with more pages per issue. In principle, from 128 to 152 pages. This has been discussed at several occasions with the publisher. However, no final decisions could be taken yet. If agreement can be reached, this will be introduced by the first issue of 2011.

7.2 New format for the Journal

In 2009, M/s Wiley had made a proposal for a new format for the Journal. This would enable us to publish a few more papers per issue. A sample copy was approved (2009) during the meetings in New Delhi. The new format will be introduced by the first issue of 2011.

7.3 Improved information on Manuscript Central

The information to authors of papers on the status of their paper in the review process has been further improved.

Item 8 : Any other business

New Home for Irrigation and Drainage

Wiley Online Library was launched on 24 July 2010 and will be the new home for ***Irrigation and Drainage***. This new service is built on the latest technology and designed with extensive input from the global scholarly community across the world and across the many subjects in which M/s. Wiley publish. Featuring a clean and simple interface,

this new online service will combine intuitive navigation, enhanced discoverability, expanded functionalities and a range of personalization options.

99.97% of all journal back content has already been successfully transferred to Wiley Online Library and new content is now being uploaded to both Wiley InterScience and the new platform. Wiley Online Library will completely replace the Wiley InterScience website and all content and licenses will be transferred to the new site to enable seamless access for users and subscribers.

Following the initial release, there will be an ongoing program of development which will include many additional features and new opportunities for users to interact with the content. More information is available now at: www.wileyonlinelibrary.com/info, including a list of features, regularly updated FAQs, screenshots, online demos and more details about the new website for all users.

For more information visit their website <**www.wileyonlinelibrary.com/info**> or contact Ms. Olivia Underhill, Journals Editor, Wiley-Blackwell, UK, E-mail <ounderhi@wiley.com> Tel.: +44 (0) 1243 770678 (Directly)

APPENDIX XXV [PCTA Item 4.2.2]

Agenda for the Seventeenth Meeting of the
WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)
Yogyakarta, Indonesia
13 October 2010: 09:00-12:30 hours

Strategy Theme : Systems

Date of Establishment: 1994 **Completion of the Mandate: 2013**

Mandate: "To recognize proven water saving success, and to identify and promote successful water conservation".

Members : (1) VPH Eng. Hussein El-Atfy, Chairman (Egypt, 2000); (2) VPH Dr. J.M.M. Mendiluce (Spain, 1996); (3) Dr. Shiang-Kueen, Hsu (Chinese Taipei, 1997); (4) Mr. Neil Louis Lacler (South Africa, 2003); (5) Prof. Atef Hamdy (Italy, 2004); (6) Mr. Kim Russell (Australia, 2005); (7) Mr. Mehrzad Ehsani (Iran, 2006); (8) VPH Dr. Mark Svendsen (USA, 2007); (9) Dr. Yuanhua Li (China, 2007); (10) Mr. R.K. Gupta (India, 2009); (11) Dr. Muhammad Arshad (Pakistan, 2009); and (12) Secretary General, ICID.

Permanent Observer: VPH Alain Vidal, Director, CPWF-CGIAR

Website: <http://www.wg-wats.icidonline.org>

A. CONTINUING ITEMS

Item 1 : Confirmation of the minutes of the 16th meeting of the Working Group

The minutes of the 16th meeting of the Working Group held at New Delhi (2009), India will be confirmed.

Item 2 : Review of the membership

At Lahore (2008) and New Delhi (2009) meetings, nomination of Mr. Shakibaeyv Ilan Isataevich by Kazakhstan National Committee (KAZCID) was deferred as he was neither present nor represented by KAZCID member at the meeting. The Central Office is in contact (01 January 2009 and 26 July 2010) with KAZCID to confirm the above nomination or send a fresh nomination. Response is awaited.

Attendance of members at the meetings held in 2008 and 2009 will be circulated at the meeting. 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 1 of PCSPOA Agenda (page A-10) and ICID by-law 3.1.7 which stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

VPH Dr. J.M.M. Mendiluce (Spain) and Prof. Atef Hamdy (Italy) have not been contributing to the activities of the WG for past two or more years. In view of above, the Central Office requested (06 August 2010) these National Committees to either confirm the participation of their existing nominees or send a fresh nomination.

In response, the Spanish National Committee of ICID (CEYRD) has nominated (12 August 2010) Dr. Juan Antonio Rodriguez-Diaz (Spain) in place of VPH Dr. J.M.M. Mendiluce for the membership of WG-WATS. CV of Dr. Rodriguez-Diaz is still awaited.

The response from ITAL-ICID is still awaited.

Item 3 : WatSave Awards

3.1 WatSave Awards - 2010

The Central Office has invited nominations from all national committees/ committee for the '*WatSave awards 2010*' in January 2010. The announcement was published in ICID News Updates, ICID News (*formerly known as ICID Newsletter*), posted on ICID website and was circulated among various water related International Organizations for wider dissemination. The last date of receipt of nominations from the national committees to the Central Office was kept as 31 August 2010.

For the WatSave Awards 2010, in all 6 nominations from 5 National Committees were received. The nominations received are evaluated by an international '*Panel of Judges*' appointed by the President, ICID. The awards will be declared and presented at the 61st IEC meeting scheduled to be held on 15 October 2010.

Further updates about the awards will be available during IEC meeting.

3.2 Sponsorship

This year the Indonesian National Committee on Irrigation and Drainage (INACID) and the Chinese National Committee (CNCID) have jointly bagged the honour of sponsoring the WatSave awards 2010 by providing US $ 3000 by each NC. The WG members may wish to record their gratitude to INACID and CNCID for their kind gesture.

At times the present arrangement of sponsoring the awards by ICID National Committees does not yield success.

In such situation, options for sponsoring the Watsave Awards could be:

(i) seek commercial sponsorship of the 'Technology award', allowing branding of the award if the sponsor wishes, and

(ii) place a Watsave contribution option on the Congress/ Conference registration form for host NC to consider.

The WG may further deliberate. Appropriate recommendations about future sponsorship, if made, can be taken up by PCTA/IEC.

3.3 Review of Criteria and Evaluation Process for WatSave Awards

The revised (2010) versions of the 'Nomination Form', 'Conditions and Criteria', 'Check list', and 'Evaluation Proforma' were used to invite WatSave nominations from National Committees. The revised proforma are accessible at ICID website <**www.icid.org/awards.html**>.

During the New Delhi (2009) meeting President Hon. Peter S. Lee (UK) made a presentation to the WG describing the review of criteria and evaluation process for WatSave Awards. The following points emerged and were recommended by the WG after due discussion –

- Phrasing of the award be "an award for (the achievement) to (the individual or team behind the achievement) in that order. The titles of the achievements should be concise and descriptive and it may be limited to 10 words.
- The nomination could come on behalf of an individual or a team of named individuals, but not from an organization itself. The wording in the rules be changed to "individual/team of individuals".
- The evaluation committee can authorise to shift a nomination from the category in which it was submitted to another category, when this is appropriate and beneficial.
- A farm-level category to be added to the set of WatSave Awards
- The basic award in each category be set at US $ 500 only (earlier it was US $ 2000)
- The national committees/committee to nominate only one nominee per category per country.

The details of PH Lee's presentation are attached as **Annex: 1.**

The WatSave Award Committee's opinion during the process of evaluation and MB's decision, if any, would be available in due course. These will be provided during the discussions on the issue by Secretary General / Central Office.

3.4 Guidelines for financing and distribution of award money

Based on the proceedings of the New Delhi (2009) meeting, the '*Guidelines for financing and distribution of award money (honorarium)'* **(Annex: 2)** have been prepared by Central Office and circulated (22 January 2010) amongst the members for comments and/or suggestions. Following responses were received:

- **Dr. Yuanhua Li (China),** 19 May 2010 : US $ 2000 is not too much but US $ 500 is too little. In case of inadequate funds, US $ 1500 may be considered. Any other expenses from award pool are not a good idea.
- **PH John Hennessy (UK),** 3 March 2010 : PH Hennessy is the originator of WatSave. He informed that the prizes originally were US $ 1000 each and then increased to US $ 2000 each. He was surprised to learn that the prize is now only US $ 500. He asked – have they really reduced as stated?
- **Dr Mark Svendsen (USA),** 29 January 2010 : He agreed with the guidelines with following suggestions – (1) Suggest rewording so that YPs and Farmers have priority over other two categories for getting support concessions, (2) State explicitly that the '*unspent award funds'* will be used exclusively for supporting future WatSave Awards only, (3) Could willingness to share costs be a criteria for awarding financial support for travel?
- **Dr. Neil Lecler (South Africa),** 25 January 2010 : Dr. Lecler opined as (1) WatSave Awards should have remained unchanged, (2) Part funding travel expenses may still not be sufficient to allow many people to attend meetings – thus those without additional funds for travel will only receive US$500 whereas with the old 'rules' they would have received US$2000, (3) The cost to attend an overseas meeting is likely to be > US$2500 per person, (4) Equitable administration of the new rules will be a challenge.

The WG members will be apprised of the views subsequently generated during the WATSAVE evaluation process this year. MB's views might also be available.

Item 4 : Framework for cooperation and interaction among ICID member countries and workbodies

The WG has developed effective linkages with WG-DROUGHT (erstwhile WG-IADWS) and WG-PQW. The WG proposes to share and contribute/involve with the Working Group on Technology and Research Uptake and Exchange (WG-TRUE) and the Working Group on Modernization of Irrigation Services (WG-MIS) for carrying out joint activities like publication, workshop etc.

The WG may also like to discuss on the new ideas for developing / strengthening cooperation and interaction among ICID member countries.

The Chairman may like to nominate members to liaise with above mentioned WGs.

Item 5 : Internal Workshop on 'Water saving achievements'

At the New Delhi (2009) meeting, the WG proposed to organize an internal workshop on "*Water saving achievements*' during Yogyakarta (2010) meetings. Mr. Ehsani (Iran) was requested (25 June 2010) to prepare a concept paper for this workshop elaborating concepts on the basis of 'Water productivity' theme for consideration together with a one-page brief / announcement for WG workshop, which can then be used to invite papers from member countries.

In response, Mr. Ehsani indicated (30 June 2010) that some of the WG members believe that 'Water productivity' focuses on 'more crop per drop' or 'more money or drop' or 'more jobs per drop' focus on water productivity and not directly on 'Water savings' which is the main objective of the WG. Water productivity may better dealt with in WG-CROP. For better response to the above internal workshop, he proposes to defer the workshop to Tehran (2011) meetings and seriously work on the work plan at Yogyakarta (2010) meeting.

For information of the members, the WG-CROP is already organizing a workshop on '*Water Saving Practices in Agriculture'* on 13 October 2010 at Yogyakarta, Indonesia and the '*Call for Papers'* has already been circulated (16 July 2010) to WG-WATS members for their contributions.

The Chairman may apprise the WG members.

Item 6 : Website of WG

The benefits of WG website are immense and the Chairman will soon update the WG website. The Chairman may apprise the WG members.

Item 7 : Work plan

The core elements of the work plan are the management of the WatSave award process and organizing workshops like workshop on '*Water saving achievements'* at Yogyakarta as above.

Mr. Ehsani proposed (2009) that preparation of one or more books on "*Water productivity*" could also be included in the WG work plan. He has provided (30 June 2010) an outline (**Annex 3)** of a proposed book on '*Water Productivity in Agriculture'* together with other books and workshop titles **(Annex 4**) for consideration. He emphasized that holding annual WG meetings may not be the main purpose of establishing the WGs. The WGs should produce some useful documents and reports on irrigation and drainage science.

The WG may deliberate and come up with a three year rolling plan together with assigning time bound responsibilities to members.

Item 8 : Any other business

Annex 1 [Appendix XXV, Item 3.3]

WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)

Summary of Issues

Emerged While Reviewing "Criteria and Evaluation Process for WatSave Awards" (2009)

The following issues emerged as proposed by PH Peter lee (UK) while reviewing "Criteria and Evaluation Process for WatSave Awards" (2009):

1. There is some confusion over the nature of the three awards as to whether they are primarily awards to people or awards to achievements. The strong recommendation of the Mr. Lee was that the primary emphasis be on the achievement itself. To this end, he recommended that the phrasing of the award be "an award for [*the achievement*] to [*the individual or team behind the achievement*]" in that order. He also recommended that the titles of the achievements be concise and descriptive, and that they be limited to 10 words. These recommendations were discussed by the working group and endorsed.

2. A question arose as to whether an organization could propose an achievement and be considered for an award. The ICID rules governing the awards allow submissions by an "individual/team". The question raised was whether a nomination, under this language, could come from an organization itself, without specifying individuals. After discussion, the WG concluded that the nomination could come on behalf of an individual or a team of named individuals, but not from an organization itself, as this diffused responsibility for the achievement excessively. Mr. Lee proposed that the wording of the rules be changed from the present to "individual/team of individuals". This recommendation was endorsed by the WG.

3. There are currently three different awards given – one for technological achievement, one for managerial achievement, and one for young professionals. Mr. Lee observed that at times the committee felt that a nomination in one category actually fit better, and was more competitive, in another. He recommended that the evaluation committee be authorized to shift a nomination from the category in which it was submitted to another category when this was appropriate and beneficial. The WG endorsed this recommendation, with the proviso that the Central Office draft a short paragraph describing each category and include these descriptions in the call for nominations and on the application forms, since these terms are not currently defined explicitly.

4. The submissions this year (2009) included an interesting one that came from a farmer, but which did not fit easily into one of the existing categories. One difficulty with such nominations for achievements by farmers is that they generally do not cover the extensive areas required in the "technology" and "management" categories. The Acting Chairman added into this discussion the issue of the current financial burden on the sponsoring national committee, a burden which would grow with the addition of any new award categories.

   Currently a sum of US$ 2,000 is attached to each of the awards. After considerable discussion, the WG concluded that a farm-level category, where a farmer was responsible for the achievement, should be added to the set of WatSave awards, assuming that the following change in the financing of the awards is made concurrently. The new stipulation would be that the current total value of the awards, US$6,000, would not be exceeded as a result of adding any new award category, and that the basic award in each category be set at US$500. Recognizing that the need for the financial part of the award (as opposed to the professional recognition) is greatest for Young Professionals and for Farmers, however, the WG recommends that recipients in each of these two categories additionally receive a grant consisting of (a) remission of conference fees for the session at which the award is made, and (2) a grant for partial coverage of travel and accommodation expenses. The base award amount could be raised if funds to support the increase were available within the award pool. The WG requested that the Central Office develop a more detailed set of procedures for implementing these changes in the financial component of the awards and circulate to the Chairman and members of the WG for comment and approval. This should be done in advance of the issuance of the call for the 2010 WatSave awards.

5. At times, several nominations for awards in a single category have come from the same country in the same year. This can lead to difficulties for the evaluating committee, since members will often not have detailed firsthand knowledge of the situation in a particular country, and thus are not in a position to judge the realism of individual submissions. For this reason it is preferable to have the nominations first screened by the

sponsoring national committee, after which a single nomination in each category would be forwarded to the evaluation panel. Mr. Lee recommended that this change in the rules be made. After discussion, the WG endorsed this suggestion.

6. WatSave rules currently allow nominations for achievements developed in a non-ICID member country to be submitted by a willing member country, with nominations limited to one per country (member or nonmember). The emphasis in this formulation on countries has caused problems in the past when a particular achievement has roots in more than one country. In addition, the example of a situation in southern Africa was given where University-based teams made up of students and researchers from more than one country may be responsible for a candidate achievement. This wording also gives rise to the case where one member country might be advancing nominations from several different countries in a given year. After considerable discussion, the WG reached consensus on a recommendation to the IEC that the WatSave rules be amended to allow for a single submission from each active national committee in each category in a given year. The nomination advanced by the national committee might come from that country, from a neighboring country, or might be comprised of a multi-national team. However, only one nomination per national committee per category would be accepted.

Annex 2 [Appendix XXV, Item 3.4]

WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)

WATSAVE AWARDS 2010

Proposed 'Guidelines for financing and distribution of award money (honorarium)'

At present the WatSave award consist of honorarium of US$2000 for each award. This amounts to US$6000 for the three award categories. The US$6000 is sponsored by the host National Committee organising the International Executive Council (IEC) in that year.

The 16th meeting of Working Group on Water Saving for Agriculture (WG-WATS) was held on 8 December 2009 during the 60th IEC meetings at New Delhi, India. The item 3.3 of the minutes of WG-WATS proposes to draft a set of procedure for implementing the changes in the financial component of the awards as proposed by PH Peter Lee and subsequently recommended by WG-WATS. This was endorsed by PCTA and approved in 60th IEC.

Proposed guidelines

- A new 4th category of award named "*WatSave Farmer Award*" will stand initiated from 2010.
- The Prize money for each of the four awards will henceforth be US$500 (amounting to total of US$2000).
- The host National Committee of IEC and other events of the year shall apportion a sum of US$6000 for WATSAVE awards, to be rendered to Central Office.
- After distributing the award honorarium of US$2000, the balance amount of US$4000 will be used if solicited or where required to provide partial coverage of travel and accommodation expenses of award winner(s) from developing/ least developed countries to attend IEC to receive the award.
- The sequential priority for extending the support concessions will be young professionals and deserving farmers from developing countries.
- The base award amount could be raised if funds to support the increase were available within the award pool.
- The unspent award funds of a particular year will be retained by Central Office to help similar cause of funding support for the deserving prize winners, in the subsequent year(s).
- All decisions for extending support for deserving cases of award winners will be taken by Secretary General in consultation with President and Chair of Panel of Judges.

Annex 3 [Appendix XXV, Item 7]

WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)

Book: Water Productivity in Agriculture

CONTENTS

CHAPTER 1: Review on Water Resources for Agriculture and Food Products in the World (30 pages)

1.1 Reviewing the World Water Resources

1.1.1 Water Crisis Indices

1.1.2 The World Water Crisis and Balance

1.2 Agriculture and Irrigation Condition in the World

1.3 Irrigation Efficiency in the World

1.4 The World Agricultural Crops Production Condition

1.4.1 Comparative study on Certain Agricultural Products

1.5 Conclusion

CHAPTER 2: Productivity Concept (5-8 pages)

2.1 Preamble / introduction

2.2 Productivity Chronology

2.3 Terminology of Production, Efficiency and Productivity.

2.4 Conclusion

CHAPTER 3: Water Productivity for Agriculture (10-15 pages)

3.1 Preamble/introduction

3.2 The Importance of Water Productivity for Agriculture

3.3 The Calculation Importance of Productivity Indices

3.4 Introducing certain indices of Water productivity for Agriculture

3.5 Conclusion

CHAPTER 4: Know-how and Application Cases on Agricultural Water Productivity Indices (AWPI) (15-25 pages)

4.1 Preamble

4.2 Know-how Cases on AWPI

4.3 Application Cases on AWPI

4.4 Conclusion

CHAPTER 5. Analyzing Agricultural Water Productivity (AWP) (10–15 pages)

5.1 Preamble

5.2 Methods to Analyze AWP

5.2.1 Chronological Trend of AWP Changes

5.2.2 Comparing Agricultural Water Productivity Index of a Production Unit with the Other Units.

5.2.3 Prospect of Agricultural Water Productivity

CHAPTER 6. The Basic Role of Management and Planning in Productivity Promotion (30-40 pages)

Procedures Proposed for Agricultural Water Productivity

6.1 Increasing Irrigation Efficiency

6.1.1 Main System Irrigation Efficiency

6.1.2 Farm Irrigation Efficiency

6.2 Decreasing Farm-Land Evaporation

6.3 Usage of Deficit-Irrigation to Promote the Agricultural Water Productivity

6.4 Usage of Effective Routine Technologies

6.5 Proper Water Pricing

6.6 Small Scale Irrigation in the Arid Areas

6.7 On-Farm Irrigation Management

6.8 Soil Improvement to Increase the Agricultural Water Productivity

6.9 The Effect of Quantitative and Qualitative Statistics on the Agricultural Water Productivity

6.10 Utilizing Of Waste-Water in Agriculture

6.11 Participatory Irrigation Management by the Farmers

6.12 Irrigation System Performance Assessment in Improving the Agricultural Water Productivity

6.13 Usage of Pressurized Irrigation Systems

6.14 Crop Expansion on Controlled Areas

6.15 Training, Research and Expansion

References:

Annex 4 [Appendix XXV, Item 7]

WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)

Books

- Water Productivity in Agriculture;
- Manual on Irrigation Management in the Field;
- Crop Production under Controlled Area; Greenhouse, Hydroponics;
- Innovation on Water Saving in Agriculture;
- Manual on Deficit Irrigation; and
- Supplementary Irrigation and water conservation.

Workshops

- Innovation on Water Saving in Agriculture.

APPENDIX XXVI [PCTA Item 4.4.3]

Agenda for the Thirteenth Meeting of the
WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)
Yogyakarta, Indonesia
13 October 2010 : 09.00-12.30 hours

Strategy Theme: On-Farm

Year of Establishment: 1998 **Completion of the Mandate: 2014**

Mandate:

- To promote on-farm irrigation as part of integrated water resources management, and
- To promote sustainable efficient approaches for on-farm irrigation.

Members: (1) VPH Felix B. Reinders, Chairman, 2004 (South Africa, 1998); (2) VP Prof. Peter Kovalenko, Vice Chairman, 2005 (Ukraine, 2001); (3) Dr. A.K. Randev, Secretary, 2009 (India 2005); (4) VPH 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. Ruelle (France, 1999); (9) Mr. J. Dunn (UK, 2002); (10) Mr. Yan Guanyu (China, 2002); (11) VPH Dr. J.A. Ortiz (Spain, 2003); (12) Mr. Graziano Ghinassi (Italy, 2004); (13) Mr. Hassan Shantia (Iran, 2006); (14) Mr. Mohan Reddy Junna (USA, 2007); (15) Dr. Abraham Mehari Haile (The Netherlands, 2008); (16) Dr. Makoto Yokozawa (Japan, 2009); (17) Prof. Dr. Rai Niaz Ahmed (Pakistan, 2009); (18) Mrs. Mira Edelbeher (Slovenia, 2009); and (19) Secretary General, ICID.

Permanent Observers: (i) Mr. Bruno Molle (ISO) and (ii) FAO Representative.

Website: <http://www.wg-on-farm.icidonline.org>

Item 1 : Confirmation of the minutes of the 12th meeting of the Working Group held at New Delhi

The minutes of the 12th meeting of the group held at New Delhi in December 2009 will be confirmed.

Item 2 : Review of membership of the Working Group

The Canadian National Committee (CANCID) has nominated François Chrétien for the membership of the Working Group. CV of the nominee will be tabled at the meeting for consideration.

Attendance of members at the meetings held in 2008 and 2009 will be tabled at the meeting.

A. CONTINUING ITEMS

Item 3 : To review the progress in preparation of documents

3.1 Paper on "Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices"

At its Kuala Lumpur meeting held in 2006, the Group had proposed to prepare a paper on "Improvement of the On-Farm Irrigation Systems using Simple Water Control, Measuring and Application Devices". There has been no action on this item since then. As this topic is of interest to most developing countries, it would be useful if some member(s) could volunteer to prepare a draft paper.

The WG will deliberate and decide further course of action.

3.2 Paper on "Micro irrigation for Smallholders and Greenhouses"

At the New Delhi meeting in December 2009, VPH Felix Reinders volunteered to review the final version of the paper "Micro irrigation for smallholders and greenhouses" prepared by Prof. Y. Nakano (Japan) before being published by ICID.

The Chairman will provide his review comments so as to finalize the paper. The WG may also suggest the ways and means to publish the paper by ICID.

Item 4 : Liaison with the ISO/TC23/SC18

The 28th meeting of ISO/TC23/SC18 was held from 26-31 October 2009 in Mexico. The 29th meeting of the TC23/SC18 will be held in Adelaide, Australia on 18-23 October, 2010 succeeding the 61st IEC and 6th ARC meeting from 10-16 October 2010 at Yogyakarta. Chairman Reinders has requested ANCID to nominate a professional to participate in the meeting. This opportunity can be used to discuss issues in preparation of the joint ISO-ICID publication "Irrigation Equipment Standards", which has been pending for quite some time.

Chairman will provide further updates at the meeting.The Group may like to take a view in bringing out the ISO-ICID document.

Item 5 : World-wide Usage of Micro and Sprinkler Irrigation

5.1 Datasheet on Sprinkler and Micro Irrigated Areas in ICID Network Countries

As per the latest statistical information compiled by the Central Office pertaining to 42 ICID member countries, 34.6 million ha are under sprinkler irrigation and 9.4 million ha are under micro irrigation. The data sheet of the micro and sprinkler irrigated areas in ICID member countries is shown in **Annex 1**.

All members are requested to go through the data sheet and offer their observations or amendments, if any.

5.2 Survey of 'World-wide Usage of Sprinkler and Micro irrigation'

At the New Delhi meeting, the Group suggested including an item on the sources of energy and energy consumption levels in the survey questionnaire. It was also suggested to get statistics on low pressure irrigation and energy requirements. The WG requested Mr. Enayatollah Farahani from Iran to prepare a presentation for the next meeting in Indonesia on low pressure irrigation systems.

An updated/ revised version of the questionnaire will be circulated in the meeting.

Chairman has encouraged all members to prepare success stories on irrigation and present at the Yogyakarta meeting. In response, Mr. Graziano Ghinassi (Italy) has volunteered to present a paper 'Advanced Technologies Applied to Hose Reel Rain-Gun Machines: New Perspectives towards Sustainable Sprinkler Irrigation'.

All members are encouraged to prepare success stories for their presentation and inform the Chairman well in advance of the Yogyakarta meeting.

Item 6 : Webpage of the Workbody

The WG webpage http://www.wg-on-farm.icidonline.org/ has been active and updated. All members are requested to visit the webpage and provide additional information viz. books, manuals, technical papers, interesting pictures, new software, useful links etc. to the Chairman/ Central Office for posting on the webpage.

Item 7 : 8th International Micro Irrigation Congress (8IMIC), Tehran, 2011

The 8th International Micro Irrigation Congress (8IMIC) will be held in Tehran, Iran on 18-19 October 2011 along with the 21st International Congress on Irrigation and Drainage. The theme of the 8IMIC is "*Innovation in Technology and Management of Micro-irrigation for crop Production Enhancement*". The Central Office in consultation with Iranian National Committee (IRNCID) has prepared a 'call for papers' (along with the Call for

papers of the 21st ICID Congress) for the 8IMIC. The call for papers has been widely circulated among all National Committees/ Office Bearers and also posted on the websites http://www.icid2011.org.

IRNCID representative will distribute the 'Call for papers' at the meeting and will also make presentation on the latest developments and preparation towards hosting of the 8IMIC.

Item 8 : Work plan of the Group

The key activities of the WG work plan for the year 2010 and 2011 as proposed during the New Delhi meeting are shown in **Annex 2**.

The Group will update/ add the activities to the work plan as appropriate.

Item 9 : Special Session on Micro irrigation

A half-day Special Session on 'Micro Irrigation' was held on 8 December 2009 in New Delhi, India on the sidelines of the 60th IEC and 5th ARC. The main objective of the special session was to highlight the recent developments in micro irrigation in major irrigation countries, particularly in India and to share and learn from each other's experiences for sustainable expansion of the technology. The session was chaired by VPH Felix Reinders. During the session, presentations were made by the professionals from Italy, Germany, China, USA, and Israel besides India.

Some key conclusions emerged from the special session were as follows:

- Application and standardization of sensor technologies and automation not only in orchards but also in field crops; measurement of soil properties, soil moisture dynamics and capacitance measurement have to be taken up at field level along with micro irrigation,
- Efforts should be made to develop of low cost automation in micro irrigation system for resource poor farmers of various countries, and
- Micro irrigation is a complex combination of technology and science and thus awareness creation and capacity building are critical at various hierarchical level i.e., from farmers to the top policy planners.

Presentations made during the special session have been posted on the WG webpage. All members are requested to access the webpage.

Item 10 : Upgrading/ modernization of surface irrigation systems

At the New Delhi meeting, Prof. Mohan Reddy Junna (USA) volunteered to prepare a comprehensive book on "Soil and Water Management in Surface Irrigation Systems". Modernization could be one of the components of the book. During the meeting, it was proposed to prepare the draft chapters/ papers for the book by 2010. Representatives from USCID and ANCID/IAL already had volunteered at Sacramento meeting to supply some information on upgrading/ modernization of surface irrigation systems for possible inclusion in the proposed book.

Dr. Reddy will appraise the development in preparation of the document at the meeting.

Item 11 : Nomination of WG for the 3rd Best Performing Workbody Award (BPWA)

At Lahore, members discussed about the possibility of submitting the WG's candidature for the 3rd '*Best Performing Workbody Award*' (BPWA) to be presented at the time of 21st ICID Congress in October 2011 in Tehran, Iran. For submitting the nomination for BPWA, the WGs achievements during the period 2008-11 are compiled and submitted to the Central Office for its evaluation by the international 'Panel of Judges'.

WG may like to consider the submission of its nomination for the BPWA and if so, chalk out a strategy plan.

B. NEW ITEMS

Item 12 : Workshop on "New Hose Reel Machines", Florence, Italy, 3 June 2010

A Workshop on "The New Hose Reel Machines for the Reduction of Economic Water and Energy Costs" was held on 3 June 2010 at the University of Florence, Italy. The objective of the workshop was to know the latest developments in the Italian irrigation technology with a special focus on the new hose reel sprinkler irrigation machines. The workshop was organized by the Italian National Committee (ITAL-ICID) in collaboration with the Association of Manufacturers of Irrigation Machines (AMIS) of Italy.

Secretary General, ICID proposed that such a workshop involving nominees of NCs, particularly from Asia and Africa for the training would be useful with the joining of the Chair, WG-ON-FARM. NCs of China (CNCID), Mali (AMID), Pakistan (PANCID) and India (INCID) were invited to participate.

Procedural constraints however, came in the way of their joining the workshop.

The workshop was inaugurated by Dr. Gabriella Zanferrari, President, ITAL-ICID. Delegates from South Africa, Nigeria and India, besides Italy, participated in the workshop. Presentations were made by Dr. Graziano Ghinassi (Italy), Professors from the Universities of Florence and Pisa; besides the participants from India, Nigeria, and South Africa who presented the scenario of sprinkler and micro irrigation in their respective countries.

Preceding the workshop, a 3 day field tour around Bologna was organized. The participants in the tour were Chairman Felix Reinders, Dr. S.A. Kulkarni, Executive Secretary, Central Office and Engrs. Kehinde Afolabi and Musa Baba of the Federal Ministry of Agriculture and Water Resources, Nigeria. During the visit participants could see the actual operation of the new hose reel machines and interact with the manufacturers/ system suppliers and farmers to understand the advantages of the new hose reel machines over other mechanized sprinkler systems. The participants also visited the manufacturing facilities of the respective companies.

It was told that Italy exports the hose reel machines to over 60 countries. The new generation machines not only save water but also require less labor due to high level of automation. The size of these machines varies covering an area from 2 to 50 ha. The technology could be very useful for even small land holdings in developing countries. The new version of the hose reel machine use spray booms which requires relatively low pressure (about 2.5 bar) and found to be quite advantageous for close growing crops like potatoes, tomatoes, fodder etc. The field visit and the workshop were sponsored by ITAL-ICID and the AMIS.

The study tour was hosted and organized by six major hose reel manufacturing companies of Italy, viz. OCMIS, IRTEC, SIME, RM Irrigation, GIAMPI, and FERBO/ IDROFOGLIA. ICID appreciate the initiative of ITAL-ICID and also the efforts of Dr. Graziano Ghinassi, Member, who was instrumental in conceptualizing and organizing the entire program.

Chairman Reinders may like to apprise further about this unique joint initiative of the ITAL-ICID and Private Sector in promoting the irrigation technology.

Item 13 : Any other business

Annex 1 [Appendix XXVI, Item 5.1]

WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)

Sprinkler and micro irrigated area in member countries

(Arranged in descending order of the total sprinkler and micro irrigated area)
(Data provided by National Committees)

Sl. No.	Country	Total irrigated area	Sprinkler irrigation	Micro Irrigation	Total sprinkler and micro irrigation	Percentage of total irrigated area	Year of reporting
		Hectares					
1	USA	22.4	12,602,880	1,533,116	14,135,996	63.1	2008
2	India	60.85	3,044,940	1,897,280	4,942,220	8.1	2010
3	China	57.8	3,000,000	1,400,000	4,400,000	7.6	2009
4	Russia	4.5	3,500,000	20,000	3,520,000	78.2	2008
5	Spain	3.8	715,102	1,502,327	2,217,429	58.4	2007
6	Brazil	3.5	1,570,000	340,000	1,910,000	54.6	2004
7	France	2.6	1,379,800	103,300	1,483,100	57	2000
8	Italy	2.75	1,047,680	365,700	1,413,380	51.4	2000
9	South Africa	1.67	920,059	365,342	1,285,401	77	2007
10	Saudi Arabia	1.62	716,000	198,000	914,000	56.4	2004
11	Iran	8.7	460,000	270,000	730,000	8.4	2009
12	Australia	2.545	524,480	190,720	715,200	28.1	2000
13	Canada	0.87	683,029	6,034	689,063	79.2	2004
14	Ukraine	2.18	618,000	48,000	666,000	30.6	2009
15	Korea	1.12	200,000	400,000	600,000	53.6	2006
16	Mexico	6.2	400,000	200,000	600,000	9.7	1999
17	Egypt	3.42	450,000	104,000	554,000	16.2	2000
18	Germany	0.54	525,000	5,000	530,000	98.1	2005
19	Japan	2.53	430,000	60,000	490,000	19.4	2009
20	Romania	1.5	448,000	4,000	452,000	30.1	2008
21	Slovak Rep.	0.313	310,000	2,650	312,650	99.9	2000
22	Israel	0.231	60,000	170,000	230,000	99.6	2000
23	Morocco	1.65	189,750	8,250	198,000	12	2003
24	Hungary	0.22	185,000	7,000	192,000	87.3	2008
25	Syria	1.28	93,000	62,000	155,000	12.1	2000
26	Turkey	5.34	110,000	26,000	136,000	2.5	2009
27	UK	0.11	105,000	6,000	111,000	100.0	2005
28	Finland	086	79,000	1,000	80,000	93	2009
29	Portugal	0.63	40,000	25,000	65,000	10.3	1999

Sl. No.	Country	Total irrigated area	Sprinkler irrigation	Micro Irrigation	Total sprinkler and micro irrigation	Percentage of total irrigated area	Year of reporting
30	Kazakhstan, Rep.	2.13	57,355	-	57,355	2.7	2006
31	Malawi	055	43,193	5,450	48,643	88.4	2000
32	Lithuania	045	44,518	-	44,518	98.9	2004
33	Chile	19	16,000	23,000	39,000	3.6	2006
34	Chinese Taipei	0.37	12,300	13,400	25,700	6.9	2001
35	Bulgaria	0.588	21,000	3,000	24,000	4.1	2008
36	Czech Rep.	0,024	11,000	5,000	16,000	66.6	2008
37	Philippines	1.52	7,175	6,635	13,810	0.9	2004
38	Poland	0.1	5,000	8,000	13,000	13	2008
39	Slovenia	009	8,072	733	8,805	97.8	2009
40	Malaysia	0.38	2,000	5,000	7,000	1.8	2009
41	Macedonia	055	5,000	1,000	6,000	10.9	2008
42	Estonia	001	500	500	1,000	100	2010
	Total	**207.298**	**34,639,833**	**9,392,437**	**44,032,270**	**21.2**	

Annex 2 [Appendix XXVI, Item 8]

WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)

WORK PLAN

2010	2011	2012
• Publish paper on "Micro irrigation for smallholders and greenhouses"	• 8th International Micro irrigation Congress (IMIC) in Tehran, Iran.	• Continue updating datasheet on "Sprinkler and micro irrigated areas in ICID member countries"
• Finalize the revised questionnaire on "Survey of world-wide usage of sprinkler and micro irrigation" and circulate to NCs	• Continue updating datasheet on "Sprinkler and micro irrigated areas in ICID member countries"	
• Update datasheet on "Sprinkler and micro irrigated areas in ICID member countries"	• Publish Manual "Performance evaluation of sprinkler and drip irrigation systems" in the Persian language by the IRNCID	
• Prepare paper on "Field Water Management and Soil water Conservation under Spate Irrigation"		

APPENDIX XXVII [PCTA Item 5]

Agenda for the First Meeting of the
TASK FORCE ON SEDIMENTATION OF RESERVOIRS (TF-SEDIMENTATION)
Yogyakarta, Indonesia
13 October 2010: 13:30-17:00 hours

A brief on Sedimentation Issues relating to Water Resources Projects for Irrigation and Flood management

In the 39th meeting of the Management Board held in Delhi on 5 December 2009, it was decided to constitute a Task Force on "Sedimentation of Reservoirs".

One of key issues that came up during Lahore meetings was the loss of sizeable storage capacity of Himalayan Reservoirs and also the pattern of settlement in the storage basin which could many times result in operation and maintenance problems and harm the benefits derivable.

The typical case that came up for detailed consideration related to Tarbela Reservoir. Participants in a special session convened exclusively at short notice and members of ICID National Committee present during the occasion were unanimous of the need for constituting a working group to look into various aspects and create a knowledge exchange platform; consultations with other international global organizations were also suggested.

The Lahore Declaration issued at the end of the Congress indicated our commitment to look into this aspect by constituting a Working Group. As a follow up, we have a document from PANCID which elaborates the Tarbela case as an initiation document for the working group.

ICOLD, IHA are the other sister organization too have concentrated on this subject from different perspectives.

ICID Secretary General had an invitation to participate in an international workshop on the subject convened by World Bank as a part of their efforts to encourage sustainable water management in Himalayan River systems taking in board the Climate Change issues. This Workshop held in 2009 June attempted to address critical four issues in relation to sediment management in hydro projects, such as sediment data management, sustainable reservoir operations, run of the river hydro electric projects and Sediment Data Management. The efforts of the World Bank to have successive conferences on the subject are continuing. Bangladesh, Bhutan, China, India, Nepal, Pakistan and Srilanka were able to present some of the individual country experiences, research findings and aspects of tackling the problems. Organised under South Asia initiative, the objective of the workshop was "promote the goals of poverty reduction, economic development, mitigation and adaptation to climate change, and water security through significant and measurable improvements in water resources management and development at the regional, international basin and national levels in South Asia" and enhance cooperation among the countries of the region.

The proposed ICID Task Force can look into such recent developments. Some international experts of renown can also be co-opted as appropriate. Our focus will be the future impacts on irrigation utilizing the available frontier knowledge base in reservoir and in channel sedimentation (Yellow River).

Terms of Reference (ToR): *Tentative*

To look into the aspects of Sedimentation of Reservoirs and come up with recommendations for appropriate strategies.

Membership:For the membership of the Task Force, a circular has been issued to all National Committees of ICID. Nominations, as received, will be indicated in the supplementary agenda before the actual meeting.

Responses received:

PANCID: The Pakistan National Committee on Irrigation and Drainage (PANCID) has nominated Mr. Hazrat Umar, Chief Engineer (Civil), Tarbela. He would provide a synthesis paper on specific sedimentation issues focusing on Tarbela.

Item 1 : The composition of the Task Force with the available members, choosing a Chair, Vice Chair and Secretary

Item 2 : Terms of Reference – Discussions / Finalisation

Item 3 : Evolving work plan with assignments to individual members

Item 4 : Any other matter

APPENDIX XXVIII [PCTA Item 4.3.2]

Agenda for the Ninth Meeting of the
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)
Yogyakarta, Indonesia
13 October 2010: 13:30-17:00 hours

Strategy Theme : Basin

Year of Establishment: 2001 **Completion of the Mandate: 2010**

Mandate : (i) To collect information about the natural environment in tidal areas around the world; (ii) To identify sustainable development and conservation options in the tidal areas; and (iii) To find a balance between the preservation and development of tidal areas.

Members : (1) Dr. Park Sang Hyun, Chairman (Korea, Rep. of 2002); (2) Ir. Henk P. Ritzema, Vice-Chairman (The Netherlands, 2009); (3) Dr. Ruey-Chy Kao, Secretary (Chinese Taipei, 2009; (4) Vice President Hon. Prof. Cai Lingen (China, 2002); (5) Dr. Indreswari Guritno (Indonesia, 2002); (6) Dr. E.J. James (India, 2002); (7) Dipl. Ing. Bernd Probst (Germany, 2003); (8) Mr. Ueda Kazumi (Japan, 2003); (9) Mr. Teoh Weng Chaw (Malaysia, 2007); and (10) Secretary General, ICID.

Observers : (i) Dr. Jo Jin Hoon (Korea, 2009); (ii) Dr. Daesu Eo (Korea, Rep. of); (iii) Mr. Robiyanto Hendro Susanto (Indonesia); (iv) Mr. Harry Denecke (FAO/IPTRID); and (v) Dr. Dhimant B. Vyas (India).

Websites: <http://www.wg-sdta.icidonline.org> and <http://www.webhard.co.kr>

Item 1 : Confirmation of the minutes of the 8th meeting of the Working Group

The minutes of the 8th meeting of the Working Group held at New Delhi (2009), India will be confirmed.

Item 2 : Review of membership of the Working Group

The ICID-Chinese Taipei Committee (CTCID) has nominated (21 May 2010) Dr. (Ms) Hsiao-Wen Wang (Young Professional from Chinese Taipei) for the membership of the Working Group on SDTA. As per 56th IEC held at Beijing (2005), two nominations from a National Committee could be considered, provided one of the two nominees is a Young Professional. The CV of Dr. Hsiao-Wen Wang will be made available during the WG meeting for consideration and admission as a young professional.

Attendance of the members at the past meetings of the WG (2007, 2009) will be tabled during the meeting. It may be noted that the WG meeting did not take place in 2008 at Lahore, Pakistan due to scarce attendance.

Item 3 : Publication of the WG document on SDTA

The WG on SDTA came into being in 2001 and conducted numerous workshops, annual and interim meetings over last nine years. The aim of the WG was to fulfil the mandate and prepare the WG document on 'Towards *Sustainable development of Tidal Areas: Some Principles and Experiences'* by bringing out a special ICID publication.

Editors

The Chapters and the concerned editors identified are:

Chapters	Description	Editor
1.	Introduction	Ir. Henk Ritzema (The Netherlands) and Ir. Jonathan Simm (UK)
2.	Planning Framework for Managing Tidal Area Development	Dr. Park Sang Hyun (Korea)
3.	Tidal Area Features and Natural Processes	Dr. Ruey-Chy Kao (Chinese Taipei) Dr. Inreswari Guritno (Indonesia) to lead, with support from India, Japan and Malaysia
4.	Engineering for Sustainable Development of Tidal Areas	Dr. Kazuaki Hiramatsu (Japan)
5.	Tidal Reclamations and Their Impacts on Natural Processes	Dr. Jo Jin Hoon (Korea), B. Probst (Germany)
6.	Towards an Integrated Decision Support Framework	Ir. Jonathan Simm (UK) and Ir. Henk Ritzema (The Netherlands)

In addition, Dr. Bart Shultz (The Netherlands) and Dr. Park (Korea) prepared the Foreword and Preface of the Handbook, respectively.

Reviewers

The Chapters are being reviewed by professionals as listed below:

Chapters	Reviewers
Chapter 1: Introduction	Mr. Kim Ju Chang (Korea) Editor of previous WS Proceedings
Chapter 2: Planning Framework for Managing Tidal Area Development	Dr. S.Taniyama (Japan), Vice President Honoraire of ICID Dr. Hsiao-Wen Wang (Taiwan), Observer of WG SDTA
Chapter 3: Tidal Area Features and Natural Processes	Dr. Willem F. Vlotman (Australia), Vice President of ICID Dr. Indreswari Guritno (Indonesia), WG Member on SDTA
Chapter 4: Engineering for Sustainable Development of Tidal Areas	Dr. Bart Shultz (The Netherlands), President Honoraire of ICID Dr. Park S. H(Korea), Editor of Chapter 2
Chapter 5: Tidal Reclamations and Their Impacts on Natural Processes	Mr. Ueda K(Japan), WG Member on SDTA Ir. H. Ritzema(the NL) Editor of Chap. 1, 6
Chapter 6: Towards an Integrated Decision Support Framework	Dr. Hiramatsu (Japan), Editor of Chapt. 4 Dr. Vijay K. Labhsetwar (ICID), Director of ICID Central Office

The WG document is in its final phase of editing. All WG member and supporters are making all out efforts to publish the document and make it available at Yogyakarta (2010) meeting.

In addition, Mr. Kim Ju Chang (Korea) has agreed to review and integrate all of the chapter edition results. Ms. Chun-Yi Liu (Taiwan) has assisted the edition work of chapter 3 and Dr. Keiichiro Kobayashi (Japan) has supported the review of Chapter 4 and contributed valuable information from Japan.

The Chairman may apprise the WG members.

Item 4 : Financial Support to publish the Handbook

ICID Central Office estimated the cost of printing of the Handbook to be about US $ 10,000 (without the DVD). The cost with DVD may marginally go up.

During the Interim Meeting in Taipei (2009), the representatives from Korea, Japan and Chinese Taipei agreed to share the cost based on a ratio: Korea: Japan: Chinese Taipei (40 %: 40%: 20%).

The Chairman requested (29 June 2010) the National Committees of Korea, Japan and Chinese Taipei Committee to provide the financial support to Central Office for publishing the SDTA Handbook as committed in the New Delhi meeting held in December 2009. Accordingly, the Chinese Taipei Committee has sent US $ 2000 which Central Office has gratefully acknowledged. Share from Korea and Japan are awaited.

In addition, The Chairman proposed (22 July 2010) that Central Office will send the Letter of Cooperation including invoice and a publishing plan to Korea and Japanese NCs.

Item 5 : A Special issue of ICID Journal on SDTA

The issue of publishing a Special Issue on SDTA has been discussed on many occasions. It has been decided during the New Delhi (2009) meeting that the WG will focus on the special issue soon after the SDTA handbook is published in 2010. The WG-SDTA will sponsor the special issue in 2011. A special issue costs about US $ 15,000 for about 10 papers and will be reviewed by Guest Editors. The 10 papers will be prepared based on contributions to the SDTA handbook. The other related issues (country wise papers, time frame, sponsoring countries etc) may be discussed during the meeting.

The Chairman may apprise the WG members.

Item 6 : New mandate, tenure and membership

Dr. Ruey-Chy Kao, Secretary provided (19 July 2010) the new mandate (1st draft) of the WG as below:

1. To enhance survey techniques and monitoring programs, and apply to collect information about the tidal area environment around the world.
2. To review the progression of natural wetland conservation and constructed wetland development in tidal areas, and identify sustainable management options in tidal areas.
3. To raise awareness of the increasing risk on tidal areas due to global climate change, stimulate discussion on impacts and mitigation, and find a balance between the preservation and development of tidal areas.
4. To join the international dialogue and organize international conferences to promote lowland management and evaluate the feasibility of tidal and ocean energy exploitation under global climate change.
5. To collaborate with other related working groups actively, and to provide relevant experiences to assist island, developing, and least developed countries.

The description of the WG activities (draft) is available in **Annex.**

The WG may deliberate on this new mandate, description of the WG activities, tenure and membership of new Working Group, including the title of the WG.

Item 7 : New Work Plan / Future activities

Dr. Park Sang Hyun, Chairman, WG-SDTA proposed (18 May 2010) to discuss the new work plan of the WG considering the following:

- Dissemination of the SDTA – Report among National Committees and related organizations, including translation of the Handbook by interested National Committees,
- Preparation of papers for special issue (2011) of the ICID Journal,

- Preparation of new study items on sustainable management of Tidal areas,
- Five years rolling plan for WG activities,
- Organization of Workshops, and
- Other issues.

The WG may deliberate and assign time bound responsibilities to members.

Item 8 : Any Other Business

- **Final review of Responsible Peatland Management Strategy Draft**

International Peat Society (IPS) is an international non-governmental and non-profit organization dedicated to focusing the advancement, exchange and communication of scientific, technical and social knowledge and understanding for the wise use of peatlands and peat. IPS has circulated the revised draft of the Strategy for Responsible Peatland Management (SRPM) to obtain general reactions before it is finalized.

The Central Office circulated (05 May 2010) the above amongst the WG members and requested to evaluate the strategy and submit their feedback indicating whether the strategy is endorsed / is not supported / is supported subject to named reservations, directly to Ms. Susann Warnecke <susann.warnecke@peatsociety.org>. Please access their website <**http://www.peatsociety.org**> for more information.

- **14th International Peat Congress in Sweden (2012)**

The 14th International Peat Congress (IPC) will be held during 3-8 June 2012 at Stockholm, Sweden. All members of the IPS have a special mission to care for the natural resources, peatlands and peat. IPS vision - the management of peatlands for the benefit of humankind now and in the future - implies that members must learn both how to utilise and how to protect these resources to reach the status we desire: peatlands in balance.

The Congress will be organised by TorvForsk, the Swedish Peat Research Foundation, which represents the Swedish National Committee of IPS, in collaboration with universities, research institutions and the peat industry. The more information is available at **<http://www.ipc2012.se**>.

Members may note.

Annex [Appendix XXVIII, Item 6]

WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)

Description of the Mandate (Draft)

Tidal areas, with abundant ecosystems, are important interactive water-land environments. Due to the global climate change, tidal areas are threatened complicatedly by rising sea level, extreme events (floods and droughts) and so on. It is hence urgent to revisit the past design and operational standards and methods of the existing irrigation and drainage facilities, and review the progression of natural and constructed wetlands in near shore, estuary, and tidal flat areas, and to better understand the changing tidal area environment by enhanced survey techniques and systematic monitoring programs. Aiming to reduce CO_2 and protect the ozone shield, green power generation such as wave or tidal current energy is adopted, hoping that by which measure we can slow down the climate change.

Under the pressure of human activities, coastal land in many countries has been subsiding due to over-pumping groundwater. Problems such as sea water intrusion, land salinization, and decreasing land value could then occur in higher potential. While tacking with the extreme events, we, as a working group, should initiate more discussions on and raise awareness of the increasing risk on tidal areas by joining international dialogues and organizing international conferences. As the ultimate goal for SDTA working group is to find a balance between the preservation and development of tidal areas, and thus provide relevant experiences to assist island, developing, and undeveloped countries, feasible strategies of sustainable lowland management to reduce the risk or appropriate exploitation of tidal and ocean energy to reduce carbon dioxide emissions should be formed.

(Prepared by Dr. Ruey-Chy Kao, Secretary, WG-SDTA)

APPENDIX XXIX [PCTA Item 4.2.4]

Agenda for the Second Meeting of the
WORKING GROUP ON ROLE OF IRRIGATION IN POVERTY ALLEVIATION AND LIVELIHOODS (WG-POVERTY)
Yogyakarta, Indonesia
13 October 2010 : 13.30-17.00 hours

Strategy Theme: Systems

Year of Establishment: 2008 **Completion of the Mandate: 2013**

Mandate:

- Synthesize specific knowledge and experience from the irrigation sector, to design pro-poor actions in a wider understanding of irrigation along the whole rainfed-irrigated continuum (aka agriculture water management),
- Look for technical solutions that work within a clearly defined socio-economic context, so that they can be mobilized in a case specific approach,
- Emphasize multiple-use (mus) of irrigation systems as a specific approach to alleviate poverty in this context,
- Increasing opportunities for greater and more open participation by the poor, in the development of systems and in the value chain,
- Building accountability mechanisms that give longer term support and commitment to poverty alleviation initiatives, and
- Guidelines supported by case studies on how to enhance the poverty alleviation and livelihood improvement impacts of new and existing projects.

Members: (1) VPH. Dr. Alain Vidal, Chairman (France, 2007); (2) Mr. R.C. Jha, Vice Chairman (India, 2009); (3) Dr. Dennis Wichelns (USA, 2008); (4) PH Peter S. Lee (UK, 2008); (4) Prof. Linden Vincent (The Netherlands, 2008); (6) Mr. Enayal Farhani (Iran, 2009); (7) Dr. Yohei Sato (Japan, 2009); (8) Mr. Hassan Javaid Afridi (Pakistan, 2009); (9) Mr. Andre Roux (South Africa, 2009); (10) Mr. Laurie Tollefson (Canada, 2009); (11) Dr. Adama Sangare (Mali, 2009), and (12) Secretary General, ICID.

Website: <http://www.wg-poverty.icidonline.org>

Item 1 : Confirmation of the minutes of the 1st meeting of WG-POVERTY held at New Delhi on 6 December 2009

The minutes of the 1st meeting of the Working Group held on 6 December 2010 at New Delhi will be confirmed.

Item 2 : To review membership of the Working Group

The Central Office had invited new nominations for the WG-POVERTY from the National Committees. In response, the U.S. National Committee (USCID) has nominated Ms. Laura Schroeder for the membership of the Group. CV of the nominee will be tabled for consideration at the meeting.

Item 3 : Objectives of the Working Group

At the New Delhi meeting, the Working Group suggested to keep in view the following concerns/ issues while proposing its activities:

- Improvements in livelihoods as well as productivity,
- Services to the poor, not just farmers,

- Different manifestations of poverty and their definition,
- Affordability of food, not just its cost,
- Wider access to services and opportunities for participation in the value chain,
- Participatory approaches that listen to the poor and are open to ideas (aka accountability),
- Extension of agricultural water management to nominally rainfed areas and general "landcare",
- Multiple use of farm storage, not just of public systems (eg for aquaculture),
- Greater awareness of health impacts and the actions needed, and
- Need for guidelines, case studies and country actions.

The WG may like to allocate the above topics among members with a view to prepare a draft concept note and key activities to be included in the work plan of the Group.

Item 4 : Selection/ nomination of Chair and Secretary of the WG

At New Delhi meeting, the Group elected Dr. Alain Vidal (in absentia) for the Chairmanship; while Mr. R.C. Jha (India) was selected as Vice Chairman. However, Dr. Vidal vide his e-mail of 20 May 2010 conveyed that he will not be in a position to act as the Chairman of the Group owing to his heavy occupation in his present position as the Director, CGIAR Challenge Program on Water and Food, based at Sri Lanka. Nevertheless, he would like to participate in WG activities as an Observer. Dr. Vidal has informed that he would attend the WG meeting at Yogyakarta.

Subsequently, the Secretary General, ICID requested PH Peter Lee to lead the WG by chairing its meeting at Yogyakarta. In response PH Lee has kindly agreed to the request.

The Group will firm up the Chairmanship position and may also select/ nominate a Secretary for the WG at the meeting.

Item 5 : Work Plan of the Group

A three-year work plan (2010-2012) as proposed by the Group at its 1st meeting held at New Delhi is shown as **Annex**. WG will discuss various preparations towards carrying out of the activities/ task as shown in the work plan and also to update it.

As per the work plan, an internal workshop will be held within the slot of the WG meeting at Yogyakarta. Following presentations were proposed to be made at the workshop:

Nameof the speaker	Topic
Prof. Linden Vincent (The Netherlands)	▪ Definition of poverty; and ▪ Opportunities for the poor in the value chain (supply and processing).
Mr. R.C. Jha (India)	Poverty alleviation initiatives; case studies from India.
Mr. Andre Roux (South Africa)	Multiple uses of farm storages.
President Hon. Peter S. Lee (UK)	Employment opportunities for the landless poor.
Winrock International *(Speaker to be identified.*	Measuring benefits of irrigation

The Group also suggested that some National Committees (e.g. India and Iran) may set-up their own workbodies to focus on poverty alleviation, in parallel with the international efforts.

The Central Office has requested all the concerned members/ speakers to provide their contribution for presentation at the 2nd meeting.

The members will make presentations at the meeting

Item 6 : Website of the Group

As advised by the Group the Central Office has set-up a link with the webpage of the erstwhile TF-POVERTY (http://afeid.montpellier.cemagref.fr/Poverty/TF-POVERTY.htm hosted by the AFEID. The new webpage can be viewed at <www.wg-poverty.icidonline.org>.

Recently, UNDP jointly with the Oxford Poverty and Human Development Initiative has developed a Multidimensional Poverty Index (MPI). The MPI is an innovative new measure that gives a vivid "multidimensional" picture of people living in poverty and goes beyond a traditional focus on income to reflect the deprivations that a poor person faces all at once with respect to education, health and living standard. It assesses poverty at the individual level, with poor persons being those who are multiply deprived.

The MPI will be featured in the 20th Anniversary edition of the UNDP Human Development Report. Further information can be accessed at http://www.ophi.org.uk/policy/multdimensional-poverty-index/

Members are requested to contribute to the website by providing web resources/ document links, brief reports, global events, etc related to the WG mandate for posting on the webpage.

Item 7 : Any other business

Annex [Appendix XXIX, Item 5]

WORKING GROUP ON ROLE OF IRRIGATION IN POVERTY ALLEVIATION AND LIVELIHOODS (WG-POVERTY)

Three-Year Work Plan (2010-2012)

2010	2011	2012
An internal workshop at Yogyakarta with the following presentations: • Definition of poverty – Prof. Linden Vincent • Case studies from countries of poverty alleviation initiatives – Mr. R.C. Jha • Opportunities for the poor in the value chain (supply and processing) – Prof. Linden Vincent • Multiple use of farm storages (South Africa) – Mr. Andre Roux • Employment opportunities for the landless poor – PH Peter Lee • Measuring benefits (Winrock?) etc.	• Case studies of irrigation/water management poverty alleviation by region at the 3rd African Regional Conference in Mali. • Paper(s) on poverty alleviation addressing the issues to be raised at the 21st ICID Congress in Tehran, particularly question 56.1 (Water and Land productivities: Concepts, Indices, Schemes and Targets) and the Special Session on Modernization of Water Management.	Update the concept note from the Istanbul WWF5, as an ICID position paper to complete the WG-POVERTY mandate in 2013.

APPENDIX XXX [PCTA Item 4.4.2]

Agenda for the Fifteenth Meeting of the
WORKING GROUP ON USE OF POOR QUALITY WATER FOR IRRIGATION (WG-PQW)
Yogyakarta, Indonesia
13 October 2010 : 13.30-17.00 hours

Strategy Theme: On-Farm

Year of Establishment: 1995 **Completion of the Mandate: 2013**

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

Members: (1) Dr. Ragab Ragab, Chairman (UK, 1997); (2) Dr. Frans Huibers, Secretary (Netherlands, 1999); (3) VPH Dr. Karim Shiati (Iran, 1997); (4) Dr. H. M. du Plessis (South Africa, 1998); (5) Dr. Jan Salek (Czech Rep., 1998); (6) Dr. N.K. Tyagi (India, 1998); (7) Mr. Jose Manuel Arango Maldonado (Mexico, 1998); (8) Dr. Wen-Lin Chang (Chinese Taipei, 1998); (9) VPH Dr. Gao Zhanyi (China, 1998); (10) VP Dr. Samia El-Guindy (Egypt, 1999); (11) Dr. Ramzan Choudhry (Pakistan, 2000); (12) Mr. C.G. Croke (Australia, 2001); (13) Mr. Martin Roche (USA, 2002); (14) Ms. Esther O. Ogunniyi (Nigeria, 2002); (15) Mr. Ghannami Mohamed (Morocco, 2003); (16) Mr. Bernard Vincent (France, 2003); (17) Dr. Jorge Tarchitsky (Israel, 2004); (18) Dr. Makoto Yokozawa (Japan, 2009); and (19) Secretary General, ICID

Permanent Observer: (i) FAO Representative; and (ii) ICBA Representative (UAE).

Website: <http://www.wg-pqw.icidonline.org>

Item 1 : Confirmation of the minutes of the 14th meeting of the Working Group held at New Delhi

The minutes of the 14th meeting of the Working Group held at New Delhi in December 2009 will be confirmed.

Item 2 : Review of the membership of the Working Group

No new nomination was received by the Central Office for the membership of the WG.

At the New Delhi meeting, the following nominations were deferred due to their nonattendance:

- Dr. Jinzhong Yang to replace Dr. Gao Zhanyi (China)
- Mr. Bekbayev Ussen (Kazakhstan)
- Dr. Paramjit Singh Minhas to replace Dr. N.K. Tyagi (India)
- Mr. M. Sidhu to replace Mr. Maghmoom Muhammad Iqbal/ Dr. Ramzan Choudhry (Pakistan)

The Central Office had informed the WG's decision to the respective National Committees (copied to the nominees) to advise their nominees to attend the 15th meeting of the WG at Yogyakarta for consideration of their membership. CVs of the above nominees will be tabled at the meeting.

Attendance of members at the meetings held in 2008 and 2009 will be circulated at the meeting.

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 the New Delhi meeting, Dr. Frans Huibers provided information on the IWA publication "*Water Reuse: An International Survey of Current Practice, Issues and Needs*". The 1st Chapter of the book gives an extensive

overview of wastewater use worldwide while the 5th Chapter provides a brief on wastewater irrigation and health: Challenges and Outlook for Mitigating Risks in Low-Income Countries. Both the chapters are available online and were circulated among members. The details of the IWA book can be viewed at http://www.iwapublishing.com

Dr. Huibers may like to provide further updates at the meeting.

The following technical papers related to wastewater reuse may be of interest to the members:

- 'Wastewater production, treatment, and irrigation in Middle East and North Africa' by Manzoor Qadir, Akissa Bahri, Toshio Sato, and Esmat Al-Karadsheh, published online: 'Irrigation and Drainage System', (2010) 24:37–51
- 'The role and place of global surveys for assessing wastewater irrigation' by Liqa Raschid-Sally, published online: 'Irrigation and Drainage System', (2010) 24:5–21

Members are encouraged to inform about the other related publication/ papers to the Chairman.

Item 4 : Cooperation with other Workbodies and International Organizations

4.1 Cooperation with ICID workbodies

During the New Delhi meeting, the Chairman informed about his liaising/ active participation in other ICID workbodies. He has contributed a chapter in a book compiled by the WG-DROUGHT, and participated in the meeting of WG-CLIMATE.

4.2 Cooperation with International Organizations

- **United Nations Environment Programme (UNEP)**

The UNEP and UN-HABITAT in partnership with members of UN Water jointly has brought out an interesting report titled "*Sick Water: The Central Role of Wastewater Management in Sustainable Development*" (launched on World Water Day, 22 March 2010). Central Office has circulated the report and the agenda of the Geneva meeting amongst all members of the WG.

The UNEP Global Programme of Action for the Protection of the Marine Environment from Land-Based Activities (GPA) organized the inaugural meeting of the UN-Water Taskforce on Wastewater at the offices of the World Health Organization in Geneva, Switzerland on 9 June 2010. The meeting brought together over 30 representatives from 23 organizations and was followed by a Multi-Stakeholder Partnership meeting from 10-11 June 2010. The meetings used the six recommendations of the "Sick Water" report as the starting point for their discussions. Participants addressed the possible elements of the Multi-Stakeholder Collaborative Agenda on Wastewater, which will be a major product of the Taskforce. They identified the major causes of the wastewater challenge, namely: weak national policies/ standards and limited capacity at the municipal level; and community perceptions/ attitudes towards the re-use of wastewater. Meeting participants also recommended a number of immediate and longer-term actions that will contribute to the Collaborative Agenda and directly tackle the wastewater challenge, including: enhancing communication, capacity building and science; developing interaction with the climate change and food security agendas; carrying out field projects and twinning; exploring wastewater financing approaches; and documenting the economic valuation of ecosystem services affected by wastewater. (Source: MEA Bulletin, Issue N° 97, www.iisd.ca).

Dr. Frans Huibers, Secretary of the WG has attended the above meeting on behalf of ICID/ WG-PQW.

Dr. Huibers will appraise the outcome of the Geneva meeting.

- **UN-Water Decade Programme on Capacity Development (UNW-DPC)**

During the 16th International Trade Fair for 'Water, Sewage, Refuse and Recycling IFAT' scheduled on 13-17 September 2010 at Munich, Germany, the UN-Water Seminar on "*Institutional Capacity Development on Water management, Water Supply and Sanitation*" will be held on 16 September 2010. ICID was invited by UNW-DPC, coordinator of the event, to participate both in the IFAT and the seminar. ICID nominated Dr. Ragab to participate in the seminar, while the German National Committee (GECID) was requested to represent ICID at the IFAT.

Dr. Ragab, Chairman, WG-PQW participated in the teleconference organized by the UNW-DPC and made some useful suggestions viz., to avoid overlap of themes of the presentations among similar organizations (e.g. FAO and ICID have identical goals), and to include some new technical developments instead of devoting the whole week for capacity building development activities alone.

As Dr. Ragab was not able to participate the seminar, the ICID Central Office requested (9 July 2010) Dr. Frans Huibers, Secretary, WG-PQW to attend the Seminar and represent ICID.
Dr. Huibers may like to provide the feedback of the Munich seminar.

Item 5 : Work Plan of the Group

At the New Delhi meeting, the following presentations were proposed during the Yogyakarta meeting:

- 'Multiple use of poor quality water' by Dr. Gao Zhanyi (China)
- 'Agrochemicals' by Dr. M. Yokozawa (Japan) and Mr. Francois Chrétien (Canada)
- 'Use of drainage water in India' by Dr. N.K. Tyagi (India)

All the above members/ their representatives will make presentations at the meeting.

Item 6 : Presentations by members

During the New Delhi meeting, Dr. Huibers made a Power Point Presentation on the '*Use of wastewater in irrigation*'. The Chairman Dr. Ragab also made a presentation on SALTMED and a demo. It was also mentioned that the programme is continuously improved and can be used with different inputs. A SALTMED can be downloaded for free at the SAFIR website <www.safir4eu.org>.

Chairman will appraise further developments to the WG at the meeting.

Item 7 : Website for the working group

The Chairman has requested all members to provide presentations, documents, reports etc. related to the Group's activities for uploading on the WG webpage <http://www.wg-pqw.icidonline.org/>.

Members are once again requested to provide information and links related to the group's activities for uploading on the website.

Item 8 : Workshop of the working group

At the New Delhi meeting, the Working Group proposed to organize a Special Session on "*Water Quality and Irrigation*" on the sidelines of the 21st ICID Congress and 62nd IEC meeting to be held in October 2011 in Tehran, Iran. The Iranian National Committee (IRNCID) was contacted to explore the possibility of accommodating the Special Session. In response, IRNCID informed the Central Office that it would not be possible for them to hold the special session at the event; however, they have recommended that the relevant papers may be submitted under Question 56.3 "*Productivity of Low Quality Waters for Irrigation Uses*". Central Office has informed the IRNCID's response to the Chairman in February 2010.

Chairman will provide further updates to the Working Group at the meeting.

Item 9 : Nomination of the Group for the Best Performing Workbody Award

At Lahore, members discussed about the possibility of submitting the WG's candidature for the '*Best Performing Workbody Award*' (BPWA) at the time of 21st ICID Congress in October 2011 in Tehran, Iran. For submitting the nomination for BPWA, the WGs achievements during the period 2008-11 are compiled and submitted to the Central Office for its evaluation by the international Panel of Judges.

WG may like to decide on submission of its nomination for the BPWA

Item 10 : Any other business

APPENDIX XXXI [IEC Item 12]

Agenda for the Thirty-first Meeting of the
PERMANENT FINANCE COMMITTEE (PFC)
Yogyakarta, Indonesia
12 October 2010 : 13.30-17.00 hours

Members: (1) Vice President Hon. Dr. Saeed Nairizi, Chairman (Iran, 2006); (2) Vice President Dr. Laszlo G. Hayde, Vice Chairman (Hungary, 2004); (3) Dr. James Ayars, Secretary (USA, 2007); (4) Vice President Hon. Dr. Alain Vidal (France, 2006); (5) Mr. Syed Raghib Abbass Shah (Pakistan, 2006); (6) Vice President Hon. Dr. Gao Zhanyi (China, 2007); (7) Vice President A.K. Bajaj (India, 2009); (8) Mr. Akira Nakazawa (Japan, 2009); and (9) Er. M. Gopalakrishnan, Secretary General, ICID.

Item No.	Agenda Items	Page No.
1.	Confirmation of the minutes of 30th Meeting of Permanent Finance Committee held at New Delhi, India on 7 December 2009	**A-186**
2.	To review membership of the Committee	**A-186**
3.	To consider the position of arrears of annual subscription and consequential remedial action	**A-186**
4.	To review progress on financial and administrative arrangements for forthcoming ICID Conferences: (i) 24th European Regional Conference, 14-16 March 2011, Orleans, France (ii) 25th European Regional Conference, 16-20 May 2011, Groningen, The Netherlands (iii) 62nd IEC Meeting and 21st Congress, 15-23 October 2011, Tehran, Iran (iv) 3rd African Regional Conference, September 2011, Mali (v) 63rd IEC Meeting, 24-29 June 2012, Adelaide, Australia (vi) 11th International Drainage Workshop, 2011, Moscow, Russia (The offer is to be approved in the 61st IEC) (vii) 64th IEC (2 offers one each from Turkey as well as Thailand of which one would be chosen during the 61st IEC (viii) 65th IEC Meeting and 22nd Congress, 2014, Seoul, Korea (approved in 60th IEC)	**A-187**
5.	To discuss and recommend to IEC the audited Accounts for the year 2009-10	**A-188**
6.	Forecast for the current financial year 2010-11	**A-190**
7.	To consider and recommend to IEC the budget for the financial year 2011-12	**A-192**
8.	To consider the preliminary budgets for years 2012-13 and 2013-14	**A-194**
9.	To note the external funding assistance received in 2009-10 and identify additional funding sources	**A-196**
10.	Broadbasing of ICID membership	**A-196**
11.	Any other business (with the permission of the Chair)	**A-197**

General Note: Conversion rate of US$ versus ₹ (Indian Rupee) used in the budget and forecasts -

Average Exchange rate of 1 US $ for the last fourteen months					
Month	**₹**	**Month**	**₹**	**Month**	**₹**
April 2009	49.98	September 2009	48.32	February 2010	46.22
May 2009	48.86	October 2009	46.69	March 2010	45.40
June 2009	47.53	November 2009	46.44	April 2010	44.42
July 2009	48.31	December 2009	46.42	May 2010	45.79
August 2009	48.45	January 2010	45.87	June 2010	46.10

A conversion rate of US$1 = ₹ 45.00 was assumed in the forecast for year 2009-10 on the basis of exchange rate in the first five months of 2009. The actual rate at which the subscription was received during 2009-10 works out at US$1= ₹ 47.34. An exchange rate of US$1= ₹ 45 has been assumed for forecast of year 2010-11, budget for Financial Year 2011-12 and preliminary budget for the Financial Years 2012-13 and 2013-14, on the basis of the average exchange rate in the first 5 months of 2010.

Item 1 : Confirmation of the minutes of 30th Meeting of Permanent Finance Committee held at New Delhi, India, on 7 December 2009

The minutes of the 30th meeting of the Permanent Finance Committee (PFC) held at New Delhi, India, on 7 December 2009 were circulated to the members. No comment was received in the Central Office. The Minutes may be confirmed.

Item 2 : To review membership of the Committee

(a) According to By-law 3.2.2(c), the Committee shall have a minimum of 9 and a maximum of 15 elected members in addition to the Secretary General (SG). Presently there are 9 members including SG.

(b) The Central Office had invited nominations from NCs for the Committee; and in response, The Netherlands National Committee has nominated Mr. Bert Toussaint for membership of the Committee. His CV will be placed at the meeting, if received in time at the Central Office.

In view of VPH Alain's new assignment in CPWF (CGIAR), his membership representing AFEID is to be substituted. In response to Central Office letter to AFEID on this matter, the nomination of M. François BRELLE has since been received whose CV would be placed before the committee for consideration, approval and inductance.

Item 3 : To consider the position of arrears of annual subscription and consequential remedial action

3.1 Arrears

It was decided at the 30th meeting at New Delhi to give one more additional year to these 5 National Committees (*i.e. Kyrgyz Rep., Macedonia, Morocco, Sri Lanka and Zambia*) to clear their arrears to become active in ICID. The Central Office sent letters to the above National Committees to clear their dues. Also the Central Office followed up with VPH Dr. Mohamed Ait Kadi (Morocco) for clearance of the unpaid arrears through the Moroccan National Committee (ANAFIDE) and positive results are awaited.

Despite concession given during the last IEC for these 5 countries, the payment of subscriptions including arrears has not been realized. As such, the Committee is obliged to reconsider the gesture of giving one more year for the defaulters (of three years dues consecutively). These countries if they do not pay dues on the date of PFC meeting may be declared as deemed inactive.

This also brings up the point of extending the similar gesture during the current year for countries who have not paid the subscription for three consecutive years. Since the past experiment indicates that it has not helped, the Committee may consider applying the By-laws and declared such defaulters as deemed inactive.

A total of 21 active National Committees were in arrears of subscription as on 31 March 2010. Of these, 8 were in arrears of balance of one year and 13 were in arrears of two years. After 31 March 2010, Uzbekistan National Committee (UzNCID) has cleared the arrears. At the time of writing of the agenda notes, the status of arrears of subscription, excluding the current year 2010, is as follows:

3.1.1 **NCs in arrears of two years or more (excluding 2010) are as follows:**

1.	Greece (2008 and 2009)	US$ 6,650
2.	Guyana(2007 and 2009)	US$ 3,260
3.	Israel (2008 and 2009)	US$ 3,725
4.	Kyrgyz Rep. (2005 to 2009)	US$ 8,776
5.	Macedonia, Rep. of (2005 to 2009)	US$ 7,110
6.	Morocco (2006 to 2009)	US$ 6,551
7.	Myanmar (2007 to 2009)	US$ 6,080
8.	Nigeria (2008 and 2009)	US$ 3,120
9.	Niger (remaining balance 2008 and 2009)	US$ 1,853
10.	Sri Lanka (2007 to 2009)	US$ 5,105
11.	Serbia (2008 and 2009)	US$ 5,025
12.	Zambia (2006 to 2009)	US$ 5,280
13.	Uruguay (2008 and 2009)	US$ 3,515

Attention of the above NCs had been drawn to the aggravating situation leading to their becoming "deemed inactive" from 1 January 2011, if arrears for 3 years or more remain unpaid by 31 December 2010. PFC had also appealed to the VPs incharge of the concerned regions to be more proactive and to persuade the defaulting NCs to clear the arrears. Reminders have been issued to the other defaulting NCs. The above NCs have been requested to attend the meeting of PFC.

Item 4 : To review progress on financial and administrative arrangements for forthcoming ICID Conferences:

- **(i) 24th European Regional Conference, 14-16 March 2011, Orleans, France**
- **(ii) 25th European Regional Conference, 16-20 May 2011, Groningen, The Netherlands**
- **(iii) 62nd IEC Meeting and 21st Congress, 15-23 October 2011, Tehran, Iran**
- **(iv) 3rd African Regional Conference, September 2011, Mali**
- **(v) 63rd IEC Meeting, 24-29 June 2012, Adelaide, Australia**
- **(vi) 11th International Drainage Workshop, 2011, Moscow, Russia (The offer is to be approved in the 61st IEC)**
- **(vii) 64th IEC (2 offers one each from Turkey as well as Thailand of which one would be chosen during the 61st IEC**
- **(viii) 65th IEC Meeting and 22nd Congress, 2014, Seoul, Korea (approved in 60th IEC)**

(i) 24th European Regional Conference, 14-16 March 2011, Orleans, France

Information with regard to the administrative, technical and financial preparations for the event was sought from the French National Committee (AFEID). AFEID has informed that they will be discussing the matter on 5 July 2010. Their further response is still awaited. The nominee from AFEID for the PFC might wish to present the status of the conference being organized by them.

(ii) 25th European Regional Conference, 16-20 May 2011, Groningen, The Netherlands

The Netherlands National ICID Committee (NETHCID) was requested to provide their current status of administrative, technical and financial preparations for the 25th European Regional Conference. NETHCID has also been requested to attend the PFC meeting as invitee to present the various status of the conference being organized by them.

(iii) 62nd IEC Meeting and 21st Congress, 15-23 October 2011, Tehran, Iran

The Iranian National Committee (IRNCID) has been requested to inform the Central Office about the administrative, technical and financial preparations for the event. Response is awaited. IRNCID has also been requested to attend the PFC meeting as invitee to present the current status of preparations (administrative as well as financial) for the events being organized by them.

(iv) 3rd African Regional Conference, September 2011, Mali

The Mali National Committee (AMID) was also requested for the administrative, technical and financial preparations. Dr. Adama Sangare, President, AMID has communicated that the process of the event is going on and the desired information will be sent to the Central Office. Response is still awaited.

(v) 63rd IEC Meeting, 24-29 June, 2012, Adelaide, Australia

The Australian National Committee (IAL) has been requested to provide the current status of preparation (administration as well as financial) but their response is still awaited.

(vi) 11th International Drainage Workshop, 2011, Moscow, Russia

The Russian National Committee (RUCID) is being requested to provide a response in the prescribed format after the offer is approved at the 61st IEC meeting.

(vii) 64th IEC Meeting, 2013

Two offers were received one each from Turkey and Thailand for hosting 64th IEC meeting in their countries. Based on the decision that would be taken in IEC awarding the events, one of them will be invited to provide the financial details in the prescribed proforma.

(viii) 65th IEC Meeting and 22nd Congress, 2014, Seoul, Korea (approved in 60th IEC)

The venue for the 22nd ICID Congress and 65th IEC meeting will be in South Korea, as approved in 60th IEC meeting in New Delhi in Deceomber 2009.

The Korean National Committee (KCID) is yet to provide the information regarding administrative and financial aspects in the prescribed proforma, which was solicited.

PFC may review the progress in respect of forthcoming events and report as appropriate for Council's consideration and approval.

Item 5 : To discuss and recommend to IEC the audited accounts for the year 2009-2010

5.1 Auditor's Report

The auditor's report (abridged) for the period from 1 April 2009 to 31 March 2010, i.e. for the financial year 2009-2010 in the format approved by 41st IEC at Varna (1994) is given at **Annex 1**, page A-197.

(1) Outstanding dues of subscriptions: From the auditor's Note 2, it may be seen that the outstanding balance of subscriptions of 21 active NCs as on 31 March 2010 was US$ 90,490.70. In comparison, the outstanding balance as on 31 March 2009 was US$ 102,388.70 from 25 active NCs. However, Uzbekistan National Committees (UzNCID) has since cleared the arrears (after 31 March 2010).

(2) Subscription realized: It may be recalled that the Management Board, at its 27th Meeting held in Cape Town, South Africa on 2 October 2000, had approved the change in fiscal year of the Commission from calendar year to financial year *(commencing from 1st April and ending on 31st March next year*), but the annual subscriptions are being received on a calendar year basis. Against an amount of subscription totaling to US$ 234,390 due from 64 active NCs for the year 2009, a remittance of US$ 194,355 has been received by 31 March 2010. This shows 83% realization of the total subscription for the year 2009, as against 73% during the year 2008. It is seen that 43 out of 64 active members have paid their subscription for the year 2009.

5.2 Foreign Currency Accounts

The Foreign Currency Accounts with Canara Bank, New Delhi, India and HSBC Bank plc., London were audited by the Auditors. These accounts have been incorporated in the audit of the account of the Commission for the period ending 31 March 2010. 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 2009-10 was US$ 303,903 and a balance of US$ 13,458 from previous year was available out of which the payment of US$ 271,393 was made. Balance in the Account as on 31 March 2010 was US$ 45,968.

(2) In the Foreign Currency Account (Euro) with Canara Bank, New Delhi, India, the total receipt during the year 2009-10 was Euro 32,568 while a balance of Euro 20,906 was available from previous year. A payment of Euro 43,155 was made. Balance in the Account as on 31 March 2010 was Euro 10,319.

(3) The PFC in its last meeting, recommended that the 50% of the US$ funds lying in the HSBC Bank in London, be transferred to the Canara bank in New Delhi, given the advantages brought out by such an action. The foreign currency account in Indian banks fetch a better interest yield. Accordingly, US$ 135,000 was transferred from HSBC and the same was kept as Foreign Currency (Non-Resident) Account (FCNR) Term Deposit for a period of 5 years i.e. 8 March 2010 to 7 March 2015. Canara Bank vide its letter to the Central Office regretted that the term deposit in US Dollar is not permitted under the guidelines of the Reserve Bank of India (RBI) and requested the Central Office to make term deposit in Indian Rupees. The letter dated 11 May 2010 from Canara Bank to ICID is seen as Annex in this regard.

In tune with the applicable RBI regulations as advised by our Bankers, a Fixed term deposit was made for 5 years for ₹ 6,075,000 which was the Indian Rupee equivalent of the sum (US$ 135,000) transferred from HSBC Bank London to our FCNR account with Canara Bank (from 8 March 2010 to 7 March 2015).

(4) In the HSBC Bank plc. London, during the year 2009-10, the receipt was US$ 2,879 and payment of US$ 135,199 was made including a part amount of fixed deposit of US$ 135,000 transferred to US Dollar FCNR Account in Canara Bank, New Delhi. The balance in the Account as on 31.3.2010 was US$ 142,525 including a balance of US$ 132,592 in fixed deposit.

5.3 Staff Provident Fund

The statement for the year 2009-10 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 2010 was ₹ 21,268,891(excluding the Reserve Fund of ₹ 48,027 of the Staff Provident Fund) compared to an amount of ₹ 17,619,154 as on 31 March 2009. The 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.

5.4 A comparison of budgeted estimates and actual expenditure for the year 2009-10

A summary of the approved outlay for 2009-10 presented in the last PFC meeting and actual expenditure ending 31 March 2010 (including receipts) is presented at **Annex 1A**, page A-200 along with clarifying notes where variations are substantial. Against the anticipated receipts of ₹ 22.17 million presented at New Delhi IEC, the actual receipts were ₹ 25.64 million while the actual payments made were ₹ 24.18 million against the anticipated payments of ₹ 26.68 million as indicated during 2009 IEC. A surplus of ₹ 1.45 million is seen against the budgeted deficit of ₹ 3.45 million anticipated deficit of ₹ 4.5 million for the year.

The changed situation showing some savings in the ultimate analysis are due to the following reasons:

(i) Deferred payment to MoUD (GoI) of the assigned percentage share of rent (of ₹ 5.5 M) as allocated earlier. Payment advice is awaited from MoUD and will be payable, in future.

(ii) Postponement of the payment of arrears accruing out of scale revisions based on Pay Commission Report / Bajaj Committee for SG, and senior officers(like Secretary, Executive Secretary and Director) to 2010-11; the actual disbursement took place only after 1 April 2010 and hence the effect.

(iii) Deferring the maintenance works of Central Office building complex and thus postponing the expenditure on rehabilitation; saving in purchased services and new equipments and good use of internet for communication resulting in saving on postage expenditure

5.5 Non-Transferable Fund Accounts:

The non-transferable fund accounts are as follows:

(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. Receipts in this fund consist of transfer from main account and interest earned on fixed deposits.

(c) **Dictionary Fund**: The fund was created long time back and is used for the revision of Multilingual Technical Dictionary (MTD) and any other related expenses. Receipt in this fund consists of receipt from the sale of MTD and interest earned on fixed deposit of the fund amount. The revised edition of MTD was brought out at 60th IEC, New Delhi for which an expenditure of ₹ 244,991 was incurred from this fund.

A sum of ₹ 300,000 and ₹ 750,000 is provided for Gratuity Fund and Superannuation Fund respectively.

Preliminary Observations on Financial Situation

During the 60th IEC, Nw Delhi, the decision taken by IEC that host countries of Regional Conferences and other events shall contribute to the ICID Fund. The maiden receipt under this new provision came from INCID. A sum of ₹ 1,319,041 representing a little over fifteen percent of the registration fee receipts from the 60th IEC and 5th Asian Regional Conference held in New Delhi in December 2009 was remitted by INCID.

PFC may consider and recommend for IEC's approval the audited accounts for the year 2009-10, with or without comments.

Item 6 : Forecast for the current financial year 2010-11

6.1 Receipts (Annex 1A)

6.1.1 Anticipated Receipt from Subscription: Annual membership subscription in respect of 65 active NCs (2009) as receivable is ₹10.95 million.

Contribution from Regional Conferences and 61st IEC: **A sum of** ₹ 3.0 million is presumed as the likely revenue from (i) 61st IEC /6th ARC; and 24th ERC in France.

6.1.2 Publications

Royalty accruable from M/s Wiley & Blackwell who has been given the contract for publishing ICID Journal - `Irrigation and Drainage' amounts to US$ 17,329 (₹ 0.78 million).

6.1.3 Grants

A sum of ₹ 500,000 has been considered as '*likely*' receipt during Financial Year 2010-11 from unidentified sources (*as grant for projects that might be undertaken)*. When received, this will be utilized during the same year. Thus, it does not add to the budget surplus or deficit.

6.1.4 *Rent Receipts*

A receipt of ₹ 9,761,000 is anticipated in 2010-11 from the First Floor premises of Central Office leased out to M/s Yes Bank Ltd.

6.2 Payments

6.2.1 Salary and Allowances: Central Office functioned with a staff of 17. An amount of ₹ 16,754,000 was approved in the budget presented during the 60th IEC New Delhi towards the salaries of ICID staff and compensation package of Secretary General. A revised amount of ₹ 18,027,500 is provided as the forecast up to the end of this financial year 2010-11. Secretary K.N. Sharma was superannuated from the service of ICID on 31 March 2010 and his one-time retirement dues were cleared subsequently.

6.2.2 Services and Maintenance: Provision for some items under the head 'Services and Maintenance' is modified according to requirements during 2010-11.

6.3 Printing and Distribution

ICID Journal - `Irrigation and Drainage'

Against the approved payment of US$ 34,500 (₹ 1,560,000) that was mentioned in the approved budget presented at the previous IEC in New Delhi, a payment of US$ 36,100 (₹ 1,625,000) is reserved towards subscription of 800 plus 84 extra copies to the publishers of ICID Journal, during the year 2010-11.

Special Publications

A provision of ₹ 590,000 for the year 2010-11 had been made on account of likely special publications.

6.4 Travel / Meeting

A provision of ₹ 1,050,000 has been made towards expenses of travel tickets for the Secretary General, and Executive Secretary for the 61st IEC and the 6th Asian Regional Conference to be held at Yogyakarta, Indonesia in 2010.

6.5 Grants

A sum of ₹ 500,000 that has been considered as '*likely*' receipt during Financial Year 2010-11 from unidentified sources (*as grant for studies that might be undertaken)* is shown to be utilized during the same year for the purpose of the budget.

6.6 Internal Transfer for gratuity and superannuation

For augmenting the Gratuity Fund and Superannuation Fund, a sum of ₹ 350,000 and ₹ 700,000 respectively is provided.

6.7 Likely Final Scenario for the Year

The budget for the financial year 2010-11 was approved by the Council in December 2009 at New Delhi provisionally. The forecast for the year 2010-11 is as seen in **Annex 1A** page A-200 (Summary).

The key aspects that impact the revenue and expenditure during the year as below:

- Receipts from annual events have commenced with the 5th ARC and 60th IEC contributing to the ICID budget as envisaged (₹ 1,319,041).
- ICID Central Office Staff were given remuneration in line with Government of India staff by revision of their pay scales effected from 1 January 2006 based on Bajaj Committee recommendations which were accepted by the Staff Committee.
- Staff were paid arrears as due during 2008-10; while this was fully cleared for all others than Professionals during the last year, the dues of professionals (including SG) was cleared after 1 April 2010. This reduced the burden in the payment side of year 2009-10 but has to be taken into account in 2010-11
- The dues payable to `Lands and Development Officer (L&DO)' in Government of India (15% of rent receipts for the let out FF portion since June 2004) could not be effected for want of any notice till date and hence only a notional part of the sums due (about 33%) has been kept as payable during the year hoping

that payment in instalments would be agreeable to L&DO. The deferred payment to L&DO which is growing will be negotiated for being paid in instalments as and when the notice is served on us. Overall, the actual payments were less than actual receipts by way of managing the commitments as indicated above.

PFC may note and recommend to IEC, the approval of Budget Forecast 2010-11, with or without comments, if any.

Item 7 : To consider and recommend to IEC the budget for the financial year 2011-12

7.1 Receipts

7.1.1 Membership subscription

During the year 2011-12, a receipt of ₹ 11.27 million from the annual membership subscription is expected from 65 active NCs, as shown in the **Annex 1A**.

7.1.2 Publications

ICID Journal – **Irrigation and Drainage**

Royalty of US$ 14,500 (₹ 0.652 million) as per projections supplied by the Chairman, EB-JOUR in his report presented at the MB meeting in New Delhi in 2009 has been assumed as revenue during the year 2011-12.

Other Publications - It is expected that sale of other ICID publications will be able to generate ₹ 1.09 million. In accordance with the procedure of valuation of publications inventory, the receipt from sale of publications during year 2011-12 is estimated only for publications issued after 2002.

7.1.3 *Conference Support*

62nd IEC and 21st ICID Congress, Tehran, Iran

With the ICID share of 50% of registration fee, a sum of ₹ 9.00 million is presumed from the Congress.

3rd African Regional Conference, Mali and 25th European Regional Conference, The Netherlands

From each one of the Regional Conferences, an yield of ₹1.00 million each, summing to a total of ₹2.0 million is kept.

7.1.4 *Interest and Other Receipts*

Interest on fixed deposits in the Accounts is likely to yield ₹ 1.169 million. Besides, other recoveries of advances is estimated at ₹ 0.155 million.

7.1.5 *Rent from Let-out Portion*

A sum of ₹ 10.0 million (Gross) is likely to be received as rent from the tenants, M/s Yes Bank.

7.1.6 Grant

A sum of ₹ 0.5 million has been considered as '*likely*' receipt during Financial Year 2011-12 from unidentified sources (*as grant for works that might be undertaken)*. However, this amount is also shown as utilized during the same year.

7.2 Payments

7.2.1 Salaries and Allowances

The provision includes dues on account of annual increment and possible increase in dearness allowance on the approved lines of the Government of India norms. A sum of ₹15.23 million is projected.

7.2.2 Services and Maintenance

A provision of ₹ 0.22 million has been made for ICID Website/TDS Hardware and Software in the Central Office.

7.2.3 Printing and Distribution

ICID Journal – Irrigation and Drainage

A provision of US$ 34600 (₹ 1.62 M) has been made for the guaranteed payment towards subscription of 800 copies (200 online copies @ US$ 38 (for 2011) and US$ 45 each and 600 printed + online copies each payable to M/s Wiley & Blackwell, Publishers of ICID Journal for the year 2011-12. These are the figures made available in the Chairman EB-JOUR's Report presented before IEC in its 60th meeting in New Delhi and as available in Central Office. These are to be treated as tentative estimates and would be prone to changes based on the number of additional copies required to be ordered to keep the supply line effectively *(65 NCs – 10 copies each besides all the experts contributing to the various ICID workbodies and other Office Bearers)*.

7.2.4 Travel (Meetings)

A total of ₹ 1.25 million has been allocated towards travel for meetings as follows –

Meetings in India

A lumpsum provision of ₹ 50 000 is made for participation of Secretary General and other staff for meetings in India.

International Meetings

A lumpsum provision of ₹ 800,000 is made for Secretary General's participation in two International Meetings outside India as per the approved practice.

Council Meeting/Regional Conference

A provision of ₹ 400,000 is made in financial year 2011-12 for Secretary General and Executive Secretary and Director (being a Congress year) for their participation in 62nd IEC Meeting and 21st Congress to be held at Tehran, Iran in 2011, as per approved practice.

7.2.5 Payment to L&DO

So far the demand notice (*challan*) for payment of dues payable to the Land and Development Officer (L&DO) of the Government of India, representing a %age of the rent received, for let-out portion has not been received from them. It is expected that since a substantial amount would become payable over the past years commencing from the year in which first floor stood let out – 2004 June, it is proposed that ICID plead for making the payment in parts over a period and hopefully, this would be accepted.

A sum of ₹ 2.0 million is allocated for payment to L&DO during the financial year 2011-12.

7.2.6 Printing and Distribution

A budget provision of ₹ 0.062 million has been made for publication of periodicals and other special publications, as well for their distribution during the year.

7.2.7 Grant Utilisation

Grant anticipated during the year 2011-12 will be utilised with no carryover.

7.3 Surplus

Taking into account the total receipt of about ₹ 35.35 million and a total payment of ₹ 27.12 million, a surplus of ₹ 8.2 million is anticipated as on 31 March 2012. This surplus would be carried through for mitigating the deficits in subsequent non-congress' year when the revenue reduces.

7.4 Internal Transfer for gratuity and superannuation

A sum of ₹ 0.3 million and ₹ 0.7 million is reserved to be credited to the Staff''s Gratuity Fund and Superannuation Fund respectively.

PFC may kindly consider the budget for 2011-12 and recommend it to IEC for approval.

Item 8 : To consider the preliminary budgets for years 2012-13 and 2013-14

The preliminary budget for the subsequent two Financial Years 2012-13 and 2013-14 is prepared based on the previous year's budgets and other likely changes that are likely to occur. A summary statement of the above, indicating receipts and payments is set out in **Annex 1A,** page A-200.

8.1 Receipts

8.1.1 Membership subscription

It is estimated that the subscription receipts would be around US $ 258 045 (₹11.61 million) during 2012-13 and US $ 265 790 (₹11.96 million).

- The membership subscription is based on the active members on the role and subscription rates, with 3% increase per year as approved in 2007 at Sacramento is applied.
- No account is taken of the receipts of membership fee from any of the new members who had been admitted given the uncertainties associated with such presumptions.
- Similarly, the members *'deemed inactive'* getting re-activated has also been ignored based on similar reasoning.

8.1.2 Rent from Let-out property

A sum of ₹ 10.00 million in the year 2012-13 and a sum of ₹ 28.38 million during the year 2013-14 is estimated as receipts from rent of let-out property in the Central Office building. The three fold hike in 2012-13 is a judgment and is quite likely when the tenant seeks an extension or alternately, a new tenancy is opted on his vacating the premises with due notice.

There are a few uncertainties in the projections for 2013-14 for obvious reasons.

8.1.3 Conference Support

Revenues from one each regional conference from Europe and Asia are presumed in 2012-13 and 2013-14. The revenue from these events are kept at ₹ 2.5 million each year.

8.1.4 Publications

(i) In accordance with the procedure of valuation of publications inventory, the receipts from sale of publications during Financial Years 2012-13 and 2013-14 have been estimated only for publications issued in and after 2004 (for 2012-13) and 2005 (for 2013-14).

(ii) ICID Journal – Irrigation and Drainage, Royalty from Publishers of the ICID Journal for the year 2012-13 and 2013-14 is expected to be US $ 15300 (₹ 0.0698 million) and US $ 16 125 (₹ 0.072 million) respectively. These figures have been indicated on page A-200. The royalty receipts projected by Chairman EB-JOUR in his report to MB at New Delhi, 2009 form the basis.

8.1.5 Grant

A sum of ₹ 0.5 million has been considered as 'likely' receipt (as grant for works that might be undertaken) during Financial Years 2012-13 and 2013-14 from unidentified sources. However, the same shall be utilized during that year without any change in the budget position.

8.1.6 Other receipts

₹ 0.0155 million has been assumed for each one of the years 2012-13 and 2013-14 from advertisement in the ICID media.

8.2 Payments

8.2.1 Salaries and Allowances

A sum of ₹16.18 million and ₹19.83 million have been kept based on projected trends in salary payments for Central Office professionals and staff besides SG's compensation package respectively for the years 2012-13 and 2013-14. The hike in the year 2013-14 is to account for terminal benefits likely to be payable for one of the Central Office professionals.

8.2.2 Services and Maintenance

A sum of ₹ 2.67 million and ₹ 7.5 million has been made for the forecast Financial Years 2012-13 and 2013-14 respectively. Essentially, this covers the expenses related to ICID Website/TDS Hardware and Software and other equipments including the replacement of the outdated ones. Since 2013-14 would provide opportunity to revise rent and enhance income, ₹ 2.1 million has been provided to upgrade the computer systems/ office upgradation.

8.2.3 Printing and Distribution

Congress Publications

A sum of ₹ 0.009 million is reserved has been provided in Financial Year 2012-13 for printing of post-Congress transactions (Vol.-II) of 21st Tehran Congress including other expenditure, including air freight of transactions.

Other publications

A sum of ₹ 0.006 million in each year has been allocated towards other publication expenses during the years 2012-13 and 2013-14 respectively.

8.2.4 Payment to L&DO

A sum of ₹ 2.0 million and ₹ 6.0 million respectively during the years 2012-13 and 2013-14 is reserved towards payment in installments of the accrued dues to the Land and Development Office of the Govt. of India for rent earnings of the premises being let out.

8.2.5 Travel (Meetings)

(i) International Meetings

A lump sum provision of ₹ 0.70 million is made for the preliminary budget years 2012-13 and 2013-14 each for participation of Secretary General in two International Meetings outside India.

(ii) Congress/Council Meeting/Regional Conference

A provision of ₹ 0.30 million is kept during the years 2012-13 and 2013-14 for Secretary General's, Executive Secretary's participation in 62nd IEC Meeting and 63rd IEC meetings.

8.2.6 Grant Utilisation

Grant anticipated during the years 2012-13 and 2013-14 will be utilised with no carryover.

8.3 Surplus (Deficit)

Taking into account the total receipts of about ₹ 26.30 million and ₹ 47.32 million in the Financial Years 2012-13 and 2013-14 and the corresponding total payments of about ₹ 26.45 million and ₹ 41.91 million respectively, the

preliminary budgets indicate a deficit of about ₹ 0.15 million in 2012-13 and a surplus of about ₹ 5.41 million in 2013-14. The surplus will be possible only if the let out portion were to increase by 300%, as envisaged in the budget.

8.4 Internal Transfer

The non-transferable accounts/funds relate to Gratuity, Superannuation and Dictionary Funds.

For the financial years 2012-13 and 2013-14, a sum of ₹ 0.3 million for Gratuity Fund and ₹ 0.7million for the Superannuation Fund (for each one of the years) is reserved for being transferred internally to those accounts.

8.5 Overall financial scenario for the period 2012-14

The overall financial scenario over the triennial span 2012-2014 indicates the following:

(i) Surplus reflected in the year 2011-12 and 2013-14 are due to triennial congress and escalation in the rent receipts, respectively. The deficit situation in the 2012-13 being a non-congress year demonstrates the fragility of financial strength.

(ii) The conference contribution for ICID from the 21st Congress in the year 2011-12 assumes significance for ICID's financial strength.

In order to insulate ICID from future shocks (as seen from the earlier congresses), it may be mentioned that the PFC had earlier considered to make a recommendation that the host National Committee of the Congress ensure a fixed sum of US $ 250,000 or 50% of registration fee, whichever is higher. PFC may consider making a recommendation to IEC, on these lines or as appropriate.

For the present, a contribution of ₹ 9 million has been assumed from the congress and ₹ 2 million from the two regional conferences which will also be held during the financial year 2011-12.

(iii) One of the suggestions earlier made by the then Chair, PFC was that for approving future congress venues, IEC could go by "*the best bid*". In other words, those bidding NCs who can guarantee a sum not less than US $ 250,000 would be recommended for consideration by IEC. The highest bidder would be opted if other conditions do not bar such a choice.

(iv) PFC may consider making a recommendation to IEC that the National Committee offering to host an International Drainage Workshop should also contribute 15 percent of the registration (as per the norm approved by IEC for annual IEC and Regional Conference related events).

The PFC may consider the preliminary budgets for the Financial Years 2012-13 and 2013-14 and recommend with comments, if any, for approval by the Council.

Item 9 : To note the external funding assistance received in 2010-11 and identify additional funding sources

During the year 2010-11 no external funding was received.

ICID Office Bearers/ Members who are in an influential position in their respective Governments or other major Private Groups/ Industry can help to explore avenues for such support/ study. Such gestures would be deeply appreciated.

Item 10 : Broadbasing of ICID Membership

As a follow up of the recommendations of the Internal Review of the PFC by the then Chair, Prof. Dr. Chandra Madramootoo, thanks to the great efforts of VPH Nairizi, a draft document on the "Broadbasing of ICID membership network" was finalised and circulated to all the National Committees on 7 April 2010. The background paper highlights the principle for broadbasing the membership and provides possible options. (**Annex 2)** The Central Office circulated it all NCs, on behalf of PFC Chair, and solicited comments or suggestions.

The replies received from NCs are collectively annexed as **Annex 2**.

PFC may consider and make recommendations as appropriate.

Item 11 : Any other business (with the permission of the Chair)

(a) Dr. A.R. Salamat, Interim Chair of the Working Group on Young Irrigation Professionals Forum (WG-YPF) brought out that most of the YPF members do not get the opportunity to attend the annual meetings of ICID due to limited funds available. This leads to minimum attendance at the annual meetings of the WG-YPF. He suggested that the hosting National Committee should waive off the registration fee of around 10 members of WG-YPF for attending the IEC meetings. Since this will have a financial implication, PFC may wish to discuss and come up with appropriate concessions for consideration by the host National Committees.

(b) Transactions for the 20th ICID Congress, Lahore, Pakistan: The Central Office had requested the Pakistan National Committee (PANCID) to made payment for the cost of 323 technical proceedings/ books at one-fourth cost amounting to US$ 18,896. It was brought out by PANCID that only 2 set of technical proceedings/ books could be sold by them despite best efforts. PANCID proposed to the Central Office that -

- As and when PANCID is able to sell the remaining 321 copies of Technical Proceedings/ Books, the said amount will be immediately transferred to the account of ICID Headquarters, New Delhi, India; or
- They could return back the unsold 321 copies of technical proceedings/ books to ICID headquarter, New Delhi, India,

And that the chapter should be closed as it is, now.

The Central Office informed PANCID that the matter relates to the `write-off of sum due' and that it will be taken up for consideration at the PFC meeting.

Annex 1 [Appendix XXXI, Item 5.1]

AUDIT REPORT FOR THE YEAR ENDING 31 MARCH 2010

RAGHU NATH RAI & CO.
Chartered Accountants

International Executive Council
International Commission on
Irrigation and Drainage
48 Nyaya Marg, Chanakyapuri
New Delhi 110 021

Dear Sir,

We have carried out the audit of the accounts of the Commission for the year ending 31st March 2010. In this connection, we have to report as under:

1. Receipts and payment 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 realizable value of stock of publications in hand. These provisions have been estimated by the AACO 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 6 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

Sd/-
(PREM PRAKASH)
Partner
Membership No. 7648

New Delhi
Dated: 30 June 2010

Annex 1 [Continued]

INTERNATIONAL COMMISSION ON IRRIGATON AND DRAINAGE
RECEIPT AND PAYMENT ACCOUNT
For the Period from 1 April 2009 to 31 March 2010

	Notes	2009-10 ₹	2008-09 ₹
RECEIPT			
Membership Subscription	2	9 726 890	7 082 834
ICID Journal	3	587 070	923 897
Publications	3	96 283	640 81
Conference Support	3a	1 319 041	1 691 200
Interest	4	935,563	940 085
Grants	5	-	-
Others	6	1 039 542	2 541 360
Let out Property	7	11 933 108	16 289 641
Total Receipts		**25 637 497**	**30 109 827**
PAYMENT			
Salaries, Compensation Package & Retirement Dues	9	16 819 253	15 166 102
Services and Maintenance	9a	2 035 248	1 973 203
Property Tax & Utilities	9b	1 748 068	1 884 257
Rehabilitation / Refurbishing	10	-	266 905
ICID Journal	3	1 982 745	1 474 800
Printing & Distribution	3	750 386	787 171
Conference Expenditure	3	19 029	1 574 293
Subscription to other organizations	11	-	151 776
Travel Expenditure	12	783 840	892 779
Grants Utilisation	5	-	-
Others	13	45 589	9 152
Payment to Land & Development Office	13a	-	-
Contingency			
Total Payments		**24 184 158**	**24 180 438**
SURPLUS (DEFICIT)		**1 453 339**	**5 929 389**

Sd/-
V.K. Dureja
Asstt. Accounts Officer

Sd/-
Mr. K.N. Sharma
Ex-Secretary[1]

Sd/-
M. Gopalakrishnan
Secretary General

Auditor's Report
As per our separate report of even date

For Raghu Nath Rai & Co.
Chartered Accountants

Sd/-
(PREM PRAKASH)
Partner
Membership No. 7648

New Delhi
Dated: 30 June 2010

[1] Functioned as Secretary ICID during the financial year 1 April 2009 to 31 March 2010 and retired on 31 March 2010

Annex 1 [Continued]

INTERNATIONAL COMMISSION ON IRRIGATON AND DRAINAGE
Balance Sheet as on 31 March 2010

	Notes	2009-10 ₹	2008-09 ₹
ASSETS			
Property and Equipment	14	8 636 431	8 933 472
Receivables	15	6 065 855	7 622 064
Stocks	16	1 382 361	1 154 760
Cash at Bank and Imprest	17	34 122 577	26 551 385
Total Assets		**50 207 224**	**44 261 681**
LIABILITIES			
Accounts Payable		9 214 948	3 114 948
Grants	5	-	-
Gratuity Fund	18	3 443 656	2 982 138
Superannuation Fund	19	1 237 075	1 583 289
Total Liabilities		**13 895 679**	**7 680 375**
NET ASSETS		**36 311 545**	**36 581 306**
RESERVES			
General Fund		35 801 516	35 841 615
Dictionary Fund	20	510 029	739 691

Sd/-
V.K. Dureja
Asstt. Accounts Officer

Sd/-
Mr. K.N. Sharma
Ex-Secretary[2]

Sd/-
M. Gopalakrishnan
Secretary General

Auditor's Report
As per our separate report of even date

For Raghu Nath Rai & Co.
Chartered Accountants

Sd/-
(PREM PRAKASH)
Partner
Membership No. 7648

New Delhi
Dated: 30 June 2010

[2] Functioned as Secretary ICID during the financial year 1 April 2009 to 31 March 2010 and retired on 31 March 2010

Annex 1A [Appendix XXXI, Item 5.1]

SUMMARY OF ACTUALS 2009-10, APPROVED BUDGET 2010-11, FORECAST 2010-11, BUDGET 2011-12 AND PRELIMINARY BUDGETS 2012-13 AND 2013-14

		Actuals 2009-19	Approved Budget 2009-10	Forecast 2010-11	Budget 2011-12	Preliminary Budget 2012-13	Preliminary Budget 2013-14
I	**RECEIPTS**	₹	₹	₹	₹	₹	₹
	1. Membership Subscriptions	9,726,890	10,864,350	10,945,125	11,273,850	11,612,025	11,960,550
	2. ICID Journal	587,070	626,800	779,600	652,500	697,500	720,000
	3. Publications	96,283	147,000	99,500	1,087,500	116,500	106,500
	4. Conference Support	1,319,041	2,000,000	3,000,000	11,000,000	2,500,000	2,500,000
	5. Interest	935,563	1,055,000	1,124,000	1,169,000	1,204,000	3,504,582
	6. Other Receipts	1,039,542	95,000	130,000	155,000	155,000	155,000
	7. Let out property, Rent and Arrears	11,933,108	9,760,700	9,761,000	10,015,250	10,015,250	28,382,000
	TOTAL RECEIPTS	**25,637,497**	**24,548,850**	**25,839,225**	**35,353,100**	**26,300,275**	**47,328,632**
II	**PAYMENTS**						
	1. Compensation Package for Secretary General	1,796,400	1,875,000	1,933,500	1,998,500	2,063,100	2,127,900
	2. Salaries and Retirement dues of Staff	15,022,853	14,879,000	16,094,000	13,236,300	14,125,400	17,708,800
	3. Service & Maintenance	2,035,048	2,210,000	2,395,000	2,670,000	2,675,000	7,500,000
	4. Property Tax & Utilities	1,748,068	1,920,000	1,990,000	1,990,000	1,990,000	2,040,000
	5. Rehabilitation / Refurbishing	-	150,000	100,000	100,000	150,000	3,000,000
	6. ICID Journal	1,982,745	1,560,000	1,625,000	1,557,400	1,700,000	1,750,000
	7. Printing and Distribution	750,386	300,000	590,000	620,000	610,000	610,000
	8. Conference Expenditure	19,029	10,000	10,000	1,500,000	85,000	60,000
	9. Subscription to other organizations	0	0	0	200,000	0	0
	10. Travel Expenditure on Meetings	783,840	1,000,000	1,050,000	1,250,000	1,060,000	1,120,000
	11. Payment to L&DO (MoUD) from Rent	0	4,000,000	6,000,000	2,000,000	2,000,000	6,000,000
	12. Other Payments	45,589	0	0	0	0	0
	13. Contingency	0	100,000	0	0	0	0
	TOTAL PAYMENTS	**24,183,958**	**28,004,000**	**31,787,500**	**27,122,200**	**26,458,500**	**41,916,700**
	Surplus (Deficit) (1)	**1,453,539**	**-3,455,150**	**-5,948,275**	**8,230,900**	**-158,225**	**5,411,932**
	Grant Receipts	500,000	500,000	500,000	500,000	500,000	500,000
	Grants utilization	500,000	500,000	500,000	500,000	500,000	500,000
	Surplus (Defict) of Grant (2)	**0**	**0**	**0**	**0**	**0**	**0**
	Net Surplus/ Deficit (1)+(2)	**1,453,539**	**-3,455,150**	**-5,948,275**	**8,230,900**	**-158,225**	**5,411,932**
	Internal Transfers to Gratuity and Superannuation Fund	**1,050,000**	**1,050,000**	**1,050,000**	**1,050,000**	**1,050,000**	**1,050,000**

Annex 2 [Appendix XXXI, Item 10)

Response of ICID National Committees

Sl.No.	Individual / National Committee / Office – Bearers, Chairs of Workbodies	Response
1	JNC-ICID e-mail dated 18 May 2010	We very much appreciate your efforts on this matter. Regarding broadbasing ICID membership, Japanese National Committee, ICID (JNC-ICID) basically assent the proposal. Here, we would like to say some our views below. 1. Concrete discussion to enhance ICID actives is not sufficient. We understand that the keystone of broadbasing ICID membership is to activate ICID. From this point of view, the paper from ICID is seemed to be highlighted mainly on financial aspects. And we feel that it is more important to discuss how to enhance ICID actives by broadbasing ICID membership. For example, we may be able to discuss the right of broadbased ICID members to attend and take part in technical Working-Group (WG) and Task-Force (TF) as chair persons etc. in order to enhance the meeting of WG and TF on technical aspects. 2. The difference between broadbased ICID members and primary ICID National Committees should be mentioned more clearly. For example, (1) It should be mentioned whether broadbased ICID members have the right of vote at IEC or not. (2) Since broadbased ICID members will stand subordinate to the primary ICID National Committees, associate should be include in type name of all broadbasing ICID members. Therefore, the type name of corporate members？？also should be changed to ？associate Corporate member. (3) If a person, who is the member of primary ICID National Committee, would get broadbased ICID membership, with what position the person can act in ICID. It should be mentioned at the above situation. Note: If broadbased ICID members will have the right of vote at IEC, additionally we have to discuss such as the rule of By-Laws adoption and Amendment. For example, article 11.3 of the Constitution state as follows: 1.3 The By-laws shall be adopted and any modification, addition, alteration ore renovocation of any of them or insertion of any new By-laws shall be approved by a majority vote of the members present at the Council meeting. Regarding above mentioned approval requirement, we should review on the basis of major opinions gathered from each joined National Committee. We hope the above our remarks will contribute to the active discussions on this issue.
2	Mr. S. A. Assadollahi Secretary General, IRNCID E-mail dated 20 July 2010	Best greeting from IRNCID, Tehran! Referring to the letter dated 7 April 2010 on proposal of private sector organizations and companies' participation in ICID activities, IRNCID has studied the issue with vote taking of the relevant private sector authorities. As such activities enhances ICID scientific and cultural objectives, IRNCID agrees with such a proposal; however, it is recommended that specific criteria and requirements be suggested so that only the deserved organs with qualified executive and scientific capabilities be able to participate in ICID activities.

Annex 2 [Continued)

Individuals / Companies who have shown interest in ICID membership

Sl.No.	E-mail dated	Name of the Individual / Company	Response
1	13 June 2008	Professor Dr. Abdul Razzaq Ghumman Chairman, Department of Civil Engineering University of Engineering and Technology Taxila, Pakistan Tel. +92-51-9047638, and +92-300-5223338 Fax: +92-51-9047420 and 9047650 tauseefejaz@uettaxila.edu.pk	I want to get membership of ICID. I check the website of ICID for membership I have some confusion about the membership fee & Procedure. Kindly tell me the total fee for membership in US $ and procedure of membership. Have I pay the membership fee online through credit card?
2	26 May 2009	John John Senior Water Engineer | LEED® AP Irrigation Service Line Coordinator Life Member, Irrigation Association Member, NFPA Member, American Society of Agricultural and Biological Engineers John.John@ghd.com.au	I am an Agricultural Engineer having masters degree and working in United Arab Emirates for the past 20 years in urban irrigation. I have a keen interest to take membership in this organization and appreciate if you can let me know the procedures.
3	26 January 2010	Nigel Landon WM Advisor, TRWMP UNDP Banda Aceh, NAD Indonesia Nigel.Landon@undp.org	Is it possible to arrange individual membership of the ICID?
4	2 April 2010	Prabhu N. Chakrawal Indian Oil Corporation Ltd. Product Application & Development Centre (PADC) PPMC, P.O. Panipat Refinery, Baholi Panipat – 132140, Haryana, India Tel. / I-Com: 0180-2578098/ 2528824 / 8824 Email ID : chakrawalpn@iocl.co.in Website : www.iocl.com	As we are the producer of polyethylene which are used in drip irrigation as a drip lateral. We would like to be a member of ICID. How we can proceed for membership.