

Minutes of the Thirty-first Meeting of the
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)
 Tehran, Iran
 20 October 2011: 09.00-12.30 hours (Session-I)
 20 October 2011: 14.45-18.00 hours (Session-II)

Year of Establishment: 1981

Members Present: (1) Vice President Hon. Mr. Felix B. Reinders, Chairman (South Africa, 2010); (2) Vice President Hon. Larry D. Stephens, Secretary (USA); (3) Vice President Hon. Dr. Hussein Ehsan El-Atfy (Egypt, 2005); (4) Dr. Yohei Sato (Japan, 2005); (5) Dr. Nikolay G. Kovalev (Russia, 2007) represented by Dr. Irina Bondarik; (6) Vice President Engr. Husnain Ahmed (Pakistan, 2009); and (7) Er. M. Gopalakrishnan, Secretary General, ICID (represented by Dr. S. A. Kulkarni).

Ex-Officio Members Present: (i) PH Prof. dr. Bart Schultz, Chairman, EB-JOUR; (ii) Dr. Kamran Emami, Chairman, WG-HIST; (iii) Prof. (Mrs.) L. Vincent, Chairperson, WG-TRUE represented by Dr. Shaden Abdel-Gawad, Vice Chair, WG-TRUE; (iv) VPH Dr. M.H. Amer, Chair, WG-WATS; (v) VP Dr. Willem F. Vlotman, Chair, WG-DRG; (vi) PH Peter S. Lee, Chair, WG-POVERTY; (vii) Dr. G.R. Backeberg, Chair, TF-FIN; (viii) Dr. Park, Sang-Hyun, Chair, WG-SDTA' (ix) Dr. Hu Heping, Chair, WG-ENV represented by Dr. Sylvain R. Perret, new Chair, WG-ENV; (x) Dr. Kamran Emami, Chair, WG-CAFM; (xi) VPH Dr. Mark Svendsen, Chair, WG-CLIMATE represented by Dr. Ray-Shyan Wu, Secretary, WG-CLIMATE; (xii) VP Dr. Ragab Ragab, Chair, WG-CROP; (xiii) VP Dr. Ragab Ragab, Chair, WG-PQW and (xiv) PH Prof. dr. Bart Schultz, Chair, TF-WWF6.

Observers Present: (i) Mr. Avinash C. Tyagi, Secretary General (Designate), ICID; (ii) Dr. Moussa Amadou (Niger); (iii) Dr. Adama Sangare (Mali); (iv) Dr. Iuriilanko (Russia); (v) Prof. Tai Cheol Kim (Korea); (vi) Mr. Ian Atkinson (Australia); (vii) Dr. Hun Sun Lee (Korea); (viii) Dr. Jin-Hoon Jo (Korea); (ix) Dr. Ruey-Chy Kao (Chinese Taipei); (x) Prof. Peter Kovalenko (Ukraine); (xi) Dr. Andre Roux (South Africa) and (xii) Eng. Othman S. Omar (Tanzania).

Item 1 : Confirmation of minutes of the 30th meeting of PCTA held at Yogyakarta, Indonesia, on 14 October 2010

Minutes of the 30th meeting of PCTA were confirmed.

A. CONTINUING ITEMS

ITEMS FOR ACTION

Item 2 : Membership of the Committee

Dr. William Vlotman was selected to replace Mr. Bruno Molle as Vice Chairman of PCTA. Chairman Felix B. Reinders invited Members of PCTA to volunteer to serve as the Secretary of PCTA as VPH Larry Stephens is no longer a member of PCTA. No one volunteered to serve. It was noted that Ex-Officio members can serve as Office Bearers, so VPH Stephens offered to continue as Secretary and the offer was accepted by PCTA. Mr. Reinders thanked VPH Stephens for his willingness to accept this most important task of the PCTA. PCTA recommended to IEC for approval of the nomination of Mr. Stephens to continue to serve as the Secretary.

Item 3 : Composition of Workbodies

3.1 New membership proposals for workbodies

The following membership proposals were recommended to IEC for approval:

ICID Journal Editorial Board (EB-JOUR)

- Dr. Mohammad Javad Monem (Iran) in place of VPH Dr. Saeed Nairizi

- Prof. Dr. Klaus Röttcher in place of Dr. Joachim Quast (Germany)
- Dr. Takao Masumoto (Japan) as Associate Editor
- Prof. Dr. Kristoph-Dietrich Kinzli P.E. (USA) as Associate Editor

Working Group on Drainage (WG-DRG)

- Mr. Ardavan Azari in place of Dr. M. Bybordi (Iran)
- Ms. Helena Aijo in place of Mr. Rauno Peltema (Finland)

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

As the Task Force is completing its work no new members were accepted.

Dr. K. Yamaoka (Japan) was elected to serve as Vice Chairman.

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

- Dr. Kiwood Park (Korea)
- Dr. Takanori Nagano (Japan) was nominated to replace Dr. T. Watanabe

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

- Dr. Kazuaki Hiramatsu (Japan) in place of Mr. Ueda Kazumi
- Dr. Kiwook Park (Korea) in place of Dr. Park Sang Hyun
- Prof. Budi Santoso Wignyosukarto (Indonesia) in place of Dr. Indeswari Guritno
- Engr. Md. Ahasan Ullah (Bangladesh)

Working Group on Environment (WG-ENV)

- Dr. Anna Tedeschi in place of Mr. Stefano Salbitani (Italy)
- Mr. Ahmed Aziz (Iraq)

The WG selected Dr. Sylvain-Roger to serve as Working Group Chairman, and Prof. Dr. Nobumasa Hatchoto serves as Vice Chairman.

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

- Mr. Olli-Matti Verta (Finland)
- Prof. Dr. Klaus Rottcher (Germany)
- Mr. Marcel Marchand (The Netherlands)

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

- Dr. Chan Chee Sheng in place of Dr. Muhammad Che Husain (Malaysia)

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

- Dott. Anna Tedeschi (Italy)
- Dr. Takanori Nagano in place of Dr. Makoto Yokozawa (Japan)
- Dr. Magdy Abdel Hamid (Egypt)

As Dr. Ragab is now Chairman of PCSO, VP Dr. Samia El-Guindy is proposed as the new Chairman of the Working Group.

PCTA Chairman Felix Reinders thanked Dr. Ragab for more than 10 years of excellent service as Chairman of WG-PQW.

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

- Mr. Mehrzad Ehsani in place of Dr. M. K. Siah (Iran)
- Mr. Muhammad Yazid bin Abdullah (Malaysia)

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

- Mr. V. K. Chawla(India)in place of Mr. R. K. Gupta

Working Group on Water and Crops (WG-CROP)

- Prof. Dr. Mohd. Amin Mohd. Soom (Malaysia)
- Dr. Magdi T. Abdelhamid (Egypt)

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

- Dipl. Ing. (FH) Jano Anter (Germany)
- Mr. Yazid bin Abdullah (Malaysia)
- Dr. Akira Iwamoto in place of Dr. Makoto Yokozawa (Japan)

A new Chairman will be selected for the next meeting.

3.2 Websites of ICID Workbodies

It was noted that 22 workbodies have established web pages. PCTA urges the remaining workbodies to develop their respective web pages.

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)

Committee Chairman Larry Stephens reported that the Committee has recommended reduced price for sales of US\$75 for the 21stCongress Transactions and US\$100 for *Towards Sustainable Development of Tidal Areas* during the Tehran Congress. *In case of SDTA publication*, the special price of \$100 would be offered to the organizations that sponsored the publication.

The Committee made an extensive review of the ICID website, noting the excellent work of the Central Office to improve the website during the past year. Several suggestions for additional upgrades were made.

4.1.2 ICID Journal Editorial Board (EB-JOUR)

PH Bart Schultz reported for the Board. He noted that the impact factor was reduced for 2010 but is expected to be higher for 2011 and the five year factor has been computed for the first time at 0.852, a noteworthy accomplishment.

Three Special Issues of the Journal will be published in 2012.

Wiley requested key words for irrigation and drainage and Central Office has provided the list, using the ICID Multilingual Technical Dictionary.

The Best Paper Award for the year will be announced during the Tehran IEC Meeting.

Board Chairman Dr. Bart Schultz also noted that a decision on a new agreement with Wiley or a new publisher will be needed next year.

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

Chairman Dr. Emami noted that the WG organized a 'History Seminar' in Tehran. The Working proposed a Seminar in Australia on 'Sustainability through History', to be followed by the preparation of a special publication on sustainability.

Dr. Emami reported that the History of Irrigation in Spain will be published electronically. The Pakistan National Committee (PANCID) will also prepare a History.

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

Vice Chairman Dr. Mrs. Shaden Abdel-Gawad reported that the WG be continued for one year so that a small working committee, chaired by Working Group Chairman Prof. (Mrs.) L. Vincent, be established to develop a mandate and membership and work program for a new Working Group that would take care of ICID's program of research and development. PTCA recommended for approval by Council.

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

No Synthesis report was given.

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

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

Mr. Ian Atkinson, Acting Chairman reported for the Working Group. Based on the WG recommendation, PCTA recommended that the Working Group should be continued and a new mandate be prepared.

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

Working Group Chairman YPH Dr. M. H. Amer reported for the Working Group. He noted that the WG proposed to change the word "innovation" to "achievement" in case of the Farmer category Award.

Three 2011 awards will be presented during the Tehran IEC meeting. No Young Professional nomination was made. The 2012 WatSave Awards will be sponsored by South Africa or Australia as per the internal decision of the two National Committees.

The Working Group will organize an internal workshop on Water Saving Achievements during the Australia IEC meeting. The WatSave book has been translated into Persian; Dr. Amer will prepare an Arabic translation and Mrs. Falrienne Latapie has also agreed to prepare a French translation.

4.2.3 Working Group on Drainage (WG-DRG)

Working Group Chairman Willem Vlotman reported about the presentations made at the meeting. The WG noted that it has been difficult to update the database on 'Drained Area in the World' because of difficulty in obtaining new information.

The Working Group will hold the 11th International Drainage Workshop in Egypt on 23-27 September 2012, while the 12th Workshop will be held in Russia.

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

Working Group Chairman PH Peter Lee reported that the WG is primarily involved with policy issues related to poverty alleviation and they will coordinate with the new Working Group on Millennium Development Goals. The Working Group will complete its mandate by 2013.

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

Task Force Secretary Dr. Sylvain-Roger Perret reported that the Workshop scheduled to be held in Tehran was required to be cancelled due to inadequate response. Task Force Chairman Dr. Backeberg added that the Task

Force will conclude its activities in 2012. A four-hour Workshop will be held in Australia during the 2012 meeting, subject to approval by the Organizing Committee.

The Task Force intends to prepare a final report on *Water Use Charging Systems and Available Financing of Irrigation: Case-Studies and Cross-Country Comparison*. The Task Force will consider continuing their work past 2012, to prepare the report.

4.2.6 Synthesis and recommendations by Theme Leader on Systems (ST. S)

No report was presented.

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)

The WG-DROUGHT has developed three themes to cover its mandate as below:

- Drought management strategies in water stressed / scarce regions – Theme 1
- Coping with Water Scarcity – Theme 2
- Rainfall Harvesting and Management for Sustainable Agriculture in Water Stressed/Scarce Regions – Theme 3

Prof. Chang-Chi Cheng (Chinese Taipei), Mr. M.S. Jafari (Iran) and Mr. V.C. Ballard (Australia) presented their papers under theme 1, 2 and 3 respectively. The WG proposes to present its intermediate output at its Adelaide meeting in 2012. The WG also proposes to organize a workshop in Turkey (2013) to present draft final findings of the WG.

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

WG-SDTA elected Prof. Ruey-Chy Kao (Chinese Taipei) as new Chairman and Dr. Kazuaki Hiramatsu (Japan) as new Secretary.

Working Group Chairman Dr. Sang Hyun Park noted that the Working Group has brought out a special publication *Towards Sustainable Development of Tidal Areas*.

The WG will prepare a sponsored special issue of the ICID Journal during 2012, if sponsors are confirmed.

The WG held a Workshop in Tehran on ‘Sustainable Water/Environmental Management in Tidal Areas.’

4.3.3 Working Group on Environment (WG-ENV)

Working Group Chairman Dr. Sylvain-Roger Perret reported that the WG will address the topic of ‘Environment and Return Flows’ in a workshop to be held during the Australia IEC Meeting.

The Working Group will work jointly with the WG-PQW to organize the workshop.

The Working Group will establish a Team to address ‘Life Cycle Approaches Applied to Irrigation and Drainage Systems’ and will have presentations on this topic during their Australia meeting.

The WG will update their Work Plan during the upcoming year.

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

Working Group Chairman Dr. Kamran Emami will request an extension to the WG with an updated mandate until 2015. He noted that the Working Group has resolved to consider ‘Flood Management Strategies’ and will address ‘Adaptive Flood Management’. The Working Group proposed to hold a Seminar on ‘Adaptive Flood Management’ during the Australia IEC Meeting and subsequently to bring out a publication on the topic with the sponsorship the Iran Ministry of Energy. Vice President Dr. William Vlotman suggested that flood management is a topic that will be included in the Conference to be part of the Australia Meeting and that the Adaptive Flood Management could be included in the Conference. Dr. Emami agreed.

Several presentations were made on Floods including floods in Iran, USA, Pakistan and Japan during the WG meeting.

An International Workshop on Floods in Pakistan was held in March 2011. The workshop was well attended by experts from ICID and delegates from organizations like WWF and others. There were 15 presentations made by foreign and local delegates.

Working Group Chairman Dr. Emami prepared a "Road Map" on the holistic and adaptive management of the Pakistan floods.

Dr. Emami made a presentation on 'Value Engineering', noting that he has written a book on Value Engineering. The Working Group proposed that a Task Force on Value Engineering be established. It still needs to be approved by the IEC. PH Peter Lee suggested that Dr. Emami may proceed with developing an international core group who could develop a mandate and terms of reference of the TF.

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

Working Group Vice Chairman Dr. Tsugihiko Watanabe reported on the WG meeting. He told that a United Nations Water Task Force on Water and Climate was proposed in 2008; then in January 2010, the Task Force became the 'Water and Climate Change Thematic Priority Area'. Secretary General Designate A.C. Tyagi is a coordinator of the Task Force and suggested that the Working Group may cooperate with the Task Force.

4.3.6 Synthesis and recommendations by Theme Leader on Basin (ST. B)

No report was presented.

4.4 Presentation by Workbodies under the Strategy Theme – On-Farm (ST. OF)

4.4.1 Working Group on Water and Crops (WG-CROP)

Working Group Chairman VP Dr. Ragab Ragab reported for the WG. The Working Group proposed to hold a Workshop on Management of Agriculture under Climate Change, in cooperation with the WG-CLIMATE, either during the Australia IEC Meeting or the following year in Turkey.

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

Working Group Chairman VP Dr. Ragab Ragab reported for the WG. He informed that new presentations will be offered during the Australia IEC Meeting. He told that the Working Group will cooperate in the future with the WG-DROUGHT and WG-ENV. Dr. Ragab has developed a model SALTMED which will be made available on the ICID website.

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

Working Group Chairman VPH Felix B. Reinders reported for the WG.

A new Chairman of the Working Group will be elected during the Australia IEC Meeting, as Mr. Reinders will step down due to his new responsibility to serve the PCTA chairmanship.

The Working Group continued to prepare two documents: *Improvement of the On-Farm Irrigation Systems using Simple Water Control, Measuring and Application Devices* and *Micro Irrigation for Smallholders and Greenhouses*.

A datasheet on 'Sprinkler and Micro Irrigated Areas' in ICID Network Countries has been updated. Working Group members were asked to review and provide updates to the datasheet.

The Working Group will participate in the 8th International Micro Irrigation Congress in Tehran. Chairman Reinders will serve as the General Reporter of the Congress.

4. 4. 4 Synthesis and recommendations by Theme Leader on On-Farm (ST. OF)

No Synthesis Report was made.

Item 5 : New Workbodies

Dr. Vlotman reported that the Australian National Committee (IACID) proposed to establish an ICID Working Group on Millennium Development Goals (MDGs) to deal with the "Role of impact evaluation in maintaining momentum towards the MDGs through investments in irrigated agriculture sector." The proposal was discussed during the meeting of WG-POVERTY. He noted that the proposal has been published in the Tehran Agenda as Annex 1 to the agenda.

PCTA approved the proposal and recommended for approval by the Council.

Item 6 : ICID Task Forces

6. 1 Task Force to Guide ICID Inputs to WWF-6 (TF-WWF-6)

PH Bart Schultz reported on the Task Force activities. He briefed on ICID's active role in developing and preparing contributions, as outlined in the Agenda. PH Peter Lee noted that efforts must be taken to get the new ICID President involved in WWF-6.

6. 2 Task Force on Water for Bio-Energy and Food (TF-BIO-ENERGY)

Acting Chairman Mr. Andre Roux reported for the Task Force. A revised Terms of Reference was proposed for consideration during the Australia IEC Meeting.

6. 3 Task Force on Sedimentation of Reservoirs (TF-SEDIMENTATION)

Dr. S. A. Kulkarni (Central Office) noted that no member of the Task Force was present for the Task Force meeting in Tehran. Observers from several countries expressed interest in participating in the Task Force and their nominations will be forwarded by their respective national committee to Central Office for consideration during the Australia IEC Meeting. Dr. Ray-Shyan Wu will prepare a questionnaire for consideration in Australia.

Secretary General Designate A.C. Tyagi suggested that the Task Force should coordinate with sedimentation activities now being undertaken by other international organizations. PCTA recommended that the Task Force may consider if there truly is a role for an ICID workbody to address sedimentation issues related to irrigation and drainage.

6. 4 Revamping IPTRID

Mr. Ian Atkinson reported as the acting Chairman of IPTRID-Way Forward. The WG-TRUE can assist IPTRID to formulate a new Mandate to include aspects of importance to carry forward.

B. ITEMS FOR INFORMATION

Item 7 : ICID's Cooperation with International Organizations

The items as presented in the PCTA Agenda were reviewed.

7. 1 UN Organizations

- **UN-Water**

Agenda item noted.

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

PH Bart Schultz noted that FAO is quite interested in continuing cooperation with ICID.

- **World Water Assessment Programme (WWAP)**

Agenda item noted.

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

PH Bart Schultz noted that IFAD is interested in cooperation with ICID.

- **World Meteorological Organization (WMO)**

Agenda item noted.

- **UNESCO**

Agenda item noted.

7.2 World Water Council (WWC)

Agenda item noted.

7.3 International Water Management Institute (IWMI)

Agenda item noted.

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

PH Peter Lee suggested that a meeting of IWALC members be held during WWF-6.

7.5 International Standards Organization (ISO)

Agenda item noted.

7.6 McGill University, Montreal, Canada

Agenda item noted.

7.7 The World Bank

PH Peter Lee suggested that AgWa could be contacted regarding cooperation with ICID. VPH Larry Stephens noted that Alessandro Palmieri, World Bank's Dam Engineer, is active in ICOLD and USCID, and that he will contact Palmieri for guidance on who from the World Bank could be contacted for liaison with ICID.

7.8 Asian Development Bank

Agenda item noted.

7.9 Global Water Partnership

Agenda item noted.

7.10 International Commission on Large Dams (ICOLD)

Agenda item noted.

Item 8 : ICID Congresses/Conferences

8.1 24th European Regional Conference, Orleans, France, 14-16 March 2011

Agenda item noted.

8.2 25th European Regional Conference, Groningen, The Netherlands, 16-20 May 2011

Agenda item noted.

8.3 3rd African Regional Conference, 29 November - 5 December 2011, Bamako, Mali

Mr. Adama Sangare, Mali, reported on plans for the Conference. A link from the ICID website to the Conference site has been established.

Dr. Kulkarni suggested that the Conference program be supplemented by invited presentations. Mr. Sangare noted that the organizing committee is seeking presenters.

8.4 62nd IEC and 21st International Congress on Irrigation and Drainage, and 8th International Micro Irrigation Congress, 15-23 October 2011, Tehran, Iran

PCTA Chairman Reinders noted with thanks the efforts of the Iranian organizing committee.

8.5 63rd IEC Meeting and 7th Asian Regional Conference, 24-29 June 2012, Adelaide, Australia

Mr. Ian Atkinson noted that plans are proceeding with the IEC Meeting.

8.6 64th IEC Meeting and 8th Asian Regional Conference, October 2013, Mardin, Turkey

Agenda item noted.

8.7 65th IEC Meeting and 22nd International Congress on Irrigation and Drainage, 2014, Seoul, South Korea

A revised Theme and Topics for the 22nd Congress was presented by Prof. Tai Cheol Kim, Korean Organizing Committee. The revised topics incorporated comments from Dr. Mark Svendsen, Prof. Chandra Madramootoo and others. The Question 58 Topic will be modified to "Irrigation and Flood Control to Policy and Adaptation to Climate Change." PCTA recommended the revised proposal to Council, including additional inputs from Central Office and Prof. Kim.

Item 9 : Best Performing Workbody Award (BPWA)

The Award will be presented to the Working Group on Sustainable Development of Tidal Areas (WG-SDTA).

Item 10 : Best Performing National Committee Award (BPNCA)

The Award will be presented to the South African National Committee of ICID.

Item 11 : N. D. Gulhati Memorial International Lecture

The Lecture was presented by Dr. Charles Burt, USA.

Item 12 : Any other business

No other business was transacted and the meeting was adjourned.
