

Minutes of the Twenty Ninth Meeting of the
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)
9 December 2009: 09.30-13.00 hours (Session-I)
9 December 2009: 14.00-17.30 hours Session-II)
New Delhi, India

Members present: (1) Vice President Hon. Hector Malano, Chairman (Australia, 2005); (2) Mr. Bruno Molle, Vice Chairman (France, 2006) represented by dr. Bernard Vincent; (3) Vice President Hon. Larry D. Stephens, Secretary (USA, 2003); (4) Prof. Daniele de Wrachien (Italy, 2005) represented by Dr. Graziano Ghinassi; (5) Dr. Yohei Sato (Japan, 2005); (6) Dr. Nikolay G. Kovalev (Russia, 2007) represented by Dr. Irina Bondarik; (7) Mr. Hasan B. Yuksel (Turkey, 2007); (8) Mr. A.K. Bajaj (India, 2008); and (9) Er. M. Gopalakrishnan, Secretary General, ICID represented by Mr. K. N. Sharma, Secretary, ICID.

Ex-Officio Members present: (i) VPH Felix Reinders, Chairman, WG-ON-FARM; (ii) President Hon. Peter Lee; (iii) Mr. W.F. Vlotman, Chairman, WG-DRG; (iv) Dr. M.W. Ertsen, Chairman, WG-MIS; (v) President Hon. Prof. Bart Schultz, Chairman, EB-JOUR; (vi) Prof. Linden Vincent, Chairman, WG-TRUE; (vii) Dr. Sang Hyun Park, Chairman, WG-SDTA; (viii) Dr. Ragab Ragab, Chairman, WG-CROP and WG-PQW; and (ix) Dr. S. Nairizi, Chairman, WG-DROUGHT.

Observers: (i) Mr. Ahmet Seren (Turkey); (ii) Mr. Taner Kimence (Turkey); (iii) Mr. Tetsuya Oishi (Japan); (iv) Mr. Enayatollah Farahani (Iran); (v) Dr. Kamran Emami (Iran); (vi) Dr. N. Hacho (Japan); (vii) Mr. Tai Cheol Kim (Korea) and (viii) Mr. Husnain Ahmad (Pakistan).

Item 1 : Confirmation of minutes of the 28th meeting of PCTA held at Lahore, Pakistan, 16 October 2008

The minutes of the 28th meeting were confirmed.

A. CONTINUING ITEMS

ITEMS FOR ACTION

Item 2 : Membership of the Committee

The nomination of Engr. Husnain Ahmed (Pakistan) was approved for PCTA membership.

The Central Office will contact the Egyptian National Committee (ENCID) regarding the membership of VPH Hussein Ehsan El-Atfy, who was not able to attend PCTA meeting continuously for the past three years.

Item 3 : Composition of Workbodies

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

The following Workbody positions were recommended:

- WG-HIST: Dr. Kamran Emami (Iran), Chairman
- WG-SDTA: Dr. Henk P. Ritzema (The Netherlands), Vice Chairman; Dr. Ruey-Chy Kao (Chinese Taipei), Secretary.
- TF-FIN: Dr. G. R. Backeberg (South Africa), Chairman
- TF-POVERTY: Mr. R. C. Jha (India), Vice Chairman.
- WG-CLIMATE: Mr. Ray Shyan Wu (Chinese Taipei), Secretary.
- WG-ON-FARM: Dr. A. K. Randev (India), Secretary.
- WG-CROP: Mr. LC. Tollefson (Canada), Vice Chairman.
- WG-CAFM: Dr. K. Emami (Iran), Vice Chairman and Dr. T. Masumoto (Japan), Secretary.

- WG-DROUGHT: VPH Franklin E. Dimick (USA), Chairman; Mr. Mohd. Sadegh Jafari (Iran), Vice Chairman; and Dr. Abraham Mehari Haile (The Netherlands), Secretary.

New membership proposals for Workbodies

The following new Workbody nominations for the membership are recommended to IEC:

Working Group on History of Agricultural Water Management (WG-HIST)

- Dr. Kamran Emami (Iran) and Mr. Yogesh Paithankar (India).

ICID Journal Editorial Board (EB-JOUR)

- Mr. C. M. Pandit (India)
- Dr. Yohei Sato (Japan)

In addition, two nominations were accepted provisionally, pending receipt of formal nominations from the respective National Committees:

- Prof. Machiel F. Viljoen (South Africa); and
- Dr. Mohd Amin bin Mohd Soom (Malaysia)

Dr. Marcel Kuper (France) and Dr. Bruce Lankford (UK) were accepted as Associate Editors.

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

- Dr. Kazumi Yamaoka (Japan)
- Mr. Indra Raj (India)

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

- Engr. Syed Mansoob Ali Zaidi (Pakistan)

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

- Mr. R. K. Gupta (India)
- Dr. Muhammad Arshad (Pakistan)
- Dr. Alain Vidal (France) will continue as Permanent Observer.

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

- Mr. Mohammad Sadegh Jafari (Iran)
- Dr. T.B.S. Rajput (India)

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

Three nominations were accepted provisionally, pending receipt of formal nominations from respective National Committees:

- Dr. Jo Jin Hoon (Korea)
- Mr. Dhimant B. Vyas (India)
- Mr. H. W. Wang (Chinese Taipei) – were accepted as permanent observers.

Working Group on Environment (WG-ENV)

- Mr. C.K. Agrawal (India)
 - Dr. Sylvain Perret (France)
-

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

- Dr. Takao Masumoto (Japan)
- Mr. B. S. Purba (India)

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

- Prof. Sue Walker (South Africa)

Working Group on Water and Crop (WG-CROP)

- Prof. Dr. Rai Niaz (Pakistan)
- Ms. Jaleh Vaziri (Iran) and
- Dr. K. Yella Reddy (India)

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

- Mr. Makoto Yokozawa (Japan)

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

- Mr. Makoto Yokozawa (Japan)
- Prof. Dr. Rai Niaz Ahmed (Pakistan)
- Mrs. Mira Edelbaheer (Slovenia)

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

- Mr. Enayatollah Farahani (Iran)
- Dr. Yohei Sato (Japan)
- Mr. Hassan Javaid Afridi (Pakistan)
- Mr. R. C. Jha (India)
- Mr. Andre Roux (South Africa)
- Mr. Laurie Tollefson (Canada) and
- Dr. Adama Sangare (Mali)

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

- VPH Henri Tardieu (France)
- Dr. E. Farhadi (Iran)
- Mr. K. Yamaoka (Japan)
- Dr. G. R. Backeberg (South Africa)
- Mr. V. K. Chawla (India)

In addition, the following two nominations were accepted provisionally, pending receipt of formal nominations from the respective National Committees:

- Dr. Sylvain Roger Perret (France) as observer/ Secretary and
- Dr. Brian Davidson (Australia)

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

- President Hon. Dr. Bart Schultz (The Netherlands)
- Mr. A. K. Ganju (India).

3.2 Websites of ICID Workbodies

VPH Hector Malano, Chairman, PCTA noted that webpage for the WG on Environment should be developed when possible. Mr. Sharma offered to help place basic information on the webpage by the Central Office

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)

VPH Larry Stephens, Chairman of the Committee noted that the Committee has decided to rename the quarterly newsletter to *ICID News*. He further noted that the Committee will keep working with the Central Office to continue to further improve the excellent ICID website.

4.1.2 ICID Journal Editorial Board (EB-JOUR)

Chairman Bart Schultz reported on the status of publishing the Irrigation and Drainage Journal, noting the number of special issues published in 2009 and future plans for the Journal.

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

Mr. K. N. Sharma reported that an updated version of the Multilingual Technical Dictionary on CD-ROM has been issued during the New Delhi IEC Meeting. A section on climate change has been added. PCTA recommends that Central Office explore ways to allow the Dictionary to be made free on the internet.

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

Dr. N. Hacho reviewed the WG progress, including drafts on History of Irrigation in Eastern Asia, and History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean. He noted that the name of WG will not be changed, but the mandate has been updated to include management and governance issues, institutional factors and social concerns. The relationship between history and sustainability will also be examined.

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

Prof. L. Vincent reported that the WG will have a Workshop in 2010. Responses to a questionnaire on benefits of research were reviewed and evaluated.

The WG will explore how to revamp and include IPTRID into the mandate of the WG. The WG was also asked to consider adding capacity building to the WG mandate, but the WG feels that it is not capable of adding this topic to the mandate. PCTA recommends that Central Office prepare a position paper on capacity building.

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

The Theme Knowledge presentation will be made during the New Delhi IEC Meeting.

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

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

Dr. Maurits Ertsen, Chairman, WG-MIS reported that the WG organized a successful Workshop in New Delhi and outlined plans for future activities. The WG plans to have six cases presented during the 2010 meeting.

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

President Hon. Peter Lee reported for the WG, noting that the book "*Water Saving in Agriculture*" was released in 2008 and has been translated into Persian.

The WG recommends several changes in the WatSave Awards:

1. Limit nominations to one per National Committee for each award category.
 2. Add a fourth award for Farmers. (It was suggested that IFAP be notified of the award.)
-

3. A prize of US\$ 500 be given for each of the four awards, and the balance of the US\$ 6,000 be used to provide travel grants for the Young Professional and Farmers Awards.

The award funds of US\$ 6,000 rely on contributions from National Committees, usually the host NC for the IEC Meeting. PCTA recommends that unspent award funds from the past be retained for the future possibility that US\$ 6,000 is not available during a given year. Central Office has however noted that there is no unspent award money as on date.

4.2.3 Working Group on Drainage (WG-DRG)

Dr. W. F. Vlotman reported for the WG. The WG has identified three topics to be addressed as work items. The venue for the 11th International Drainage Workshop will be selected during the 2010 WG meeting. The WG held an internal workshop in New Delhi and will also do an internal workshop during the WG meeting in Indonesia.

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

PH Peter Lee represented Chairman Dr. Alain Vidal. The WG plans to have an internal workshop during the next meeting in Indonesia. The WG agreed to add three additional objectives to their mandate.

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

TF Chairman Dr. Gerhard Backeberg reported that a workshop on the theme *Development and Financing of Irrigation Schemes* was held in New Delhi. The TF is still refining its mandate.

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

Dr. Vlotman plans to explore ways to reduce the formality and administrative aspects of Workbodies. VPH Malano noted that he has also asked that administrative aspects of workbody agendas be reduced as much as possible.

4.3 Presentation by Workbodies under the Strategy Theme – Basin (ST.B)

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

VPH Dr. S. Nairizi reported as interim chair of the WG, noting the plans for the new WG. Pending approval of new WG officers, definite work plans have not been initiated.

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

Dr. Park Sang Hyun, WG Chairman, reported that the WG has asked to extend the mandate through 2010. He noted that the WG is completing a *Handbook on Sustainable Development of Tidal Areas*, to be published by ICID with financial support by the National Committees of Korea, Japan and Chinese Taipei.

4.3.3 Working Group on Environment (WG-ENV)

No WG report was given.

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

No WG report was given.

Mr. Kamran Emani, Iran, made a presentation on Value Engineering. He suggested that a workbody on Value Engineering be established. It was suggested that a Workshop be organized, presenting case studies of Value Engineering applications in irrigation and drainage projects.

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

No WG report was given.

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

Mr. Bernard Vincent presented a report on behalf of VPH Henri Tardieu, and highlighted the following points:

- WE-ENV was preparing a position paper on environment which could be useful for explaining the irrigation sector issues to non specialists. He urged the WG to collaborate with IUCN.
- WG-DROUGHT was seeking new ways to approach drought.
- WG-CLIMATE has been successful in sharing real time information on climate change. The WG challenges the UN Water policy brief which stated that “global food production does not seem to be threatened.”
- WG-SDTA was preparing an excellent handbook, to be published in 2010.

PCTA noted that VPH Henri Tardieu has resigned as Theme Leader- Basin. A new Theme Leader would be selected.

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

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

Dr. Ragab Ragab, WG Chairman, reviewed the topics discussed by the WG. The WG requests approval to organize a Workshop on *Water Saving and Conservation* in 2010. IEC approval is requested.

President Chandra Madramootoo recommended that the climate change aspects of the WG be coordinated with the WG on Global Climate Change and Agricultural Water Management to avoid duplication of effort. After discussion, it was agreed to recommend to IEC that work plans for all workbodies be reviewed and coordinated. Further, all Workbodies should be reminded that the Chairman or a representative should attend PCTA meetings to report on workbody activities and to facilitate coordination with other workbodies.

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

Dr. Ragab Ragab, WG Chairman, noted that the WG reviewed and updated the work plan. The WG requests approval to organizing a workshop on *Water Quality and Irrigation* during the Tehran Congress. IEC approval was requested.

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

Mr. Felix Reinders, WG Chairman, reported that the WG meeting was well attended. He noted that excellent papers were presented. Plans for the 8th International Micro Irrigation Congress to be held in Tehran during the 21st ICID Congress, were reviewed.

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

Dr. S. Nairizi, Theme Leader highlighted the following through his presentation:

WG-ON-FARM: It is a good to see that surface irrigation is getting more attention, but we have to go further to define simple techniques to manage irrigation scheduling and irrigation system operation. Irrigation efficiency is another basic concept of irrigation practice at the farm level which should be defined in more detail to focus on what is really a loss and focus on effectiveness of irrigation water application, rather than efficiency of distribution

WG-CROP: This is an emerging working group from the previous one, with a revised mandate. It is recommended that more information and research outcomes be completed by the WG on the basic question of actual crop water requirement against the conventional crop potential evapotranspiration, which is used as the basis for irrigation water allocation.

Item 5 : ICID Task Forces**5.1 Task Force to Guide ICID Inputs to WWF-5 (TF-WWF-5)**

Mr. Sharma reviewed ICID inputs to World Water Forum 5. The TF has completed its mandate.

The TF recommended, and PCTA concurs, that a Task Force be established to provide ICID inputs to WWF-6.

5.2 Finalizing the TF-IBWT publication

The final report on Inter Basin Water Transfers will soon be finalized by President Hon. Dr. Bart Schultz. He would also explore commercial publishing of the report, in consultation with the Central Office.

B. ITEMS FOR INFORMATION

Chairman Prof. Malano invited the members to review the items for information. The details in respect of each of the following items were noted.

Item 6 : ICID's Cooperation with International Organizations**6.1 UN Organizations**

- UN-Water
- Food and Agriculture Organization of the United Nations (FAO)
- World Water Assessment Programme (WWAP)
- International Fund for Agricultural Development (IFAD)
- World Meteorological Organization (WMO)
- UNESCO

6.2 World Water Council (WWC)**6.3 International Water Management Institute (IWMI)****6.4 International Water-related Associations' Liaison Committee (IWALC)****6.5 International Standards Organization (ISO)****6.6 International Union for Conservation of Nature (IUCN)****6.7 McGill University, Montreal, Canada****6.8 King Hassan II, Morocco – Academie des Science****Item 7 : ICID Congresses/Conferences**

The outcome of the past events and the future events as listed in the agenda of the PCTA, were noted. The Committee took note of the planned 24th European Regional Conference in France in December 2010 (a new offer).

PCTA endorsed the theme and sub-themes of the following forthcoming event:

- 61st IEC and 6th Asian Regional Conference, Yogyakarta, Indonesia, 10-16 October 2010
 - 62nd IEC and 21st International Congress on Irrigation and Drainage, Tehran, Iran, 15-23 October 2011
 - 24th European Regional Conference, the Netherlands, May 2011 (Since changed as 25th ERC with 24th ERC, scheduled for December 2010, in Orleans, France.)
 - 3rd /4th African Regional Conference, Mali, 2011.
-

Item 8 : Any other business

PCTA was informed that the proposals for setting up new Task Forces on ICID position on (i) Biofuel Policy, and (ii) Sedimentation of Reservoirs, was also brought for consideration in the Management Board where it was agreed to.

While the brief on Topic 2.3 for the World Water Forum 5 Istanbul would form the basis for activating of the TF on Biofuel policy position, a concept paper for the TF on Sedimentation prepared in Central Office was endorsed, to begin with (**Annex**). Nominations would be solicited from National Committees by the Central Office for these TFs. The maiden meetings of these TFs would take place in Yogyakarta in October 2010 where TF composition and ToRs could be firmed up.

PCTA discussed the proposal for the publication of the document on 'River Basins of the World' and felt that a background paper on this will be useful to consider the matter.

SEDIMENTATION ISSUES RELATING TO WATER RESOURCES PROJECTS FOR IRRIGATION AND FLOOD MANAGEMENT

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 conference 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.

Incidentally, 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.

Some international experts of renown can also be co-opted as appropriate in tune with available provisions. Our focus will be the future impacts on irrigation utilizing the available frontier knowledge base in reservoir and in channel sedimentation (Yellow River).
