

**AGENDA FOR THE TWENTY FOURTH MEETING OF THE
WORKING GROUP ON COMPREHENSIVE APPROACHES TO FLOOD MANAGEMENT (WG-CAFM)
New Delhi, India
07 December 2009 : 14:15-18:00 hours
Strategy Theme : Basin**

Year of Establishment: 1999

Completion of the Mandate: 2009

Members : (1) Vice President Engr. Dr. Illahi B. Shaikh, Chairman (Pakistan, 2007); (2) Mr. V.C. Ballard (Australia, 1992); (3) Dr. Takeshi Hata (Japan, 1993); (4) Dr. Lajos Szlavik (Hungary, 1996); (5) Prof. M.F. Viljoen (South Africa, 1997); (6) Dr. K. Emami (Iran, 1999); (7) Mr. Jin Soo Kim (Korea, 2000); (8) Prof. Josip Petras (Croatia, 2002); (9) Mr. Ahmet Seren (Turkey, 2006); (10) Mr. Maurice Roos (USA, 2006); (11) Prof. dr. Franc Steinman (Slovenia, 2006); (12) Mr. A.K. Ganju (India, 2007); (13) Ir. Jos van Alphen (The Netherlands, 2007); (14) Dr. Jianming Ma (China, 2008); (15) Secretary General, ICID.

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

Item 1 : Confirmation of the minutes of the 23rd meeting of the Working Group

The minutes of the 23rd meeting of the Working Group held on 14 October 2008 at Lahore (Pakistan) will be confirmed.

Item 2 : Review of the Membership of the Working Group

The Pakistan National Committee on Irrigation and Drainage (PANCID) has nominated (19 August 2009) Mr. Zazar Aslam, Chairman PANCID in place of Vice President Engr. I.B. Shaikh (Pakistan) for the membership of the WG. His CV will be made available during the meeting for consideration.

The Japanese National Committee of ICID (JNC-ICID) has nominated (11 August 2009) Dr. Takao Masumoto (Japan) in place of Dr. Takeshi Hata for the membership of the WG. His CV will be made available during the meeting for consideration.

The Indian National Committee of ICID (INCID) has nominated (28 January 2008) Mr. G. S. Purba in place of Mr. A.K. Ganju for the membership of the WG. His nomination was deferred during Lahore meeting (2008) since he was neither available nor represented by INCID member.

The Central Office is in contact (24 March 2009) with Indian National Committee of ICID (INCID) to reconfirm the nomination Mr. G.S. Purba (India) for the membership of WG-CAFM or send a fresh nomination. Response is awaited.

Fresh nominations from National Committees of Czech Republic, Canada, Indonesia and Morocco have been requested (31 March 2009) for the membership of the WG. Responses are awaited.

Attendance of members at meetings in 2007 and 2008 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-9) 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.

Accordingly, it was observed that Dr. Lajos Szlavik (Hungary) was neither present at the meetings nor contributed through correspondence for the last two consecutive years i.e. 2007 and 2008. In view of above, the ICID Central Office is in contact with Hungarian National Committee for fresh nomination. Their response is awaited.

2.1 Election of Chairman, Vice-Chair and Secretary

The Working Group never had a Vice-Chair and Prof. Jose Liria Montanes (Spain), Secretary of WG, withdrew his membership during Lahore meeting (2008). Further, PANCID has nominated Mr. Zarar Aslam (Pakistan) in place of Vice President Engr. I.B. Shaikh, Chairman of the WG.

In view of above, the new Chairman, Vice-Chairman and Secretary will be elected during the meeting of WG. In meantime, Mr. Ahmad Kamal (Pakistan) has been working as Acting Secretary of the WG.

Item 3 : Tenure and mandate of WG

ICID by-law 3.3(b) stipulates that

“as the duration of the membership of a workbody is expected to be six years or less, the duration of the work to be undertaken by a temporary workbody should not exceed a period of six years”

As can be seen, the workbody has already outlived its stipulated tenure of 6 years. Depending upon the extent and importance of unfinished work items or products with the workbody, the Council in 2007, upon the recommendation of the concerned Strategy Theme Leader and PCTA, extended the tenure of the workbody upto 2009.

If needed, a new workbody with a new mandate, tenure and work plan could be recommended, was the advise. Accordingly, the WG unanimously decided (2008) to retain the present structure and name of the the WG as the present name is comprehensive enough to cover the change of emphasis.

The new mandate alongwith tenure, however, needs to be evolved emphasizing new issues like climate change, sea level rises, flash floods, adaptation strategy of people living in flood prone areas etc.

The Chairman may apprise the WG.

Item 4 : Presentations on Floods (Country Case Studies)

Country-wise presentation on Flood scenario each year stood initiated in 2001. Numerous presentations have so far covered year-wise country scenario on floods. A list of the past presentations is given in **Annex 1**. The Central Office has requested (24 March 2009) the host National Committee (INCID) to contribute on ‘Floods in India’. Further, in view of Cyclone ‘Nargis’ in Myanmar (May 2008), Central Office has once again requested (31 March 2009) Myanmar National Committee of ICID to nominate a professional for making a presentation on cyclone induced floods. Responses are awaited.

Item 5 : Publications in Progress

It was proposed during Kuala Lumpur (2006) meeting to bring out a special publication (as a CD-ROM) based on ‘Country Presentations’ made in the recent years. The WG, however, decided (2007) to bring out the CD-ROM post Lahore workshop (2008), providing opportunity to include papers presented at Sacramento and Lahore workshops.

The Chairman will apprise the WG members.

Item 6 : Feedback of the Workshop on Flood Management during Lahore (2008) Congress

A workshop on ‘Flood Management : Flood Monitoring and Early Warning’ was successfully held on 15 October 2008 during Lahore Congress under the Chairmanship of Mr. Bashir Ahmad (Pakistan). The workshop was attended by about 41 participants. The presented papers of the workshop are listed in **Annex 2**.

The Chairman will apprise the WG members.

Item 7 : New Working Group on “Value Engineering”

Dr. Kamran Emami (Iran), for the first time, proposed formation of a new WG on ‘Value Engineering’ during Beijing (2005) meeting. Central Office requested the views of the WG prior to consideration by PCTA and IEC. Dr. Emami submitted a short abstract for consideration of the WG during the meeting at Sacramento (2007).

The WG recommendations (2007), after due consideration, to Permanent Committee for Technical Activities (PCTA) were as follows -

“The Working Group does not consider itself to be the appropriate body to make a recommendation on this issue. The WG is uncertain of the applicability of Value Engineering to irrigation and drainage, but it may be applicable if it includes the concept of asset management and maintenance as well as capital projects. The WG suggests that a small task force, with a life of one year including Dr Emami, be established to elaborate to PCTA and IEC on the applicability of Value Engineering to irrigation and drainage”.

The PCTA has since agreed to consider the proposal, if presented at Lahore in 2008. Dr. Emami was, however, not available in Lahore meeting.

The WG, therefore, unanimously agreed to request Dr. Emami for a detailed presentation on “Value Engineering” to be presented in the next meeting of WG at New Delhi, India in December 2009. The presentation possibly could include clarifications sought by PCTA (2007) on applicability of “Value Engineering” to irrigation and drainage.

Vide e-mail dated 25 March 2009, Dr. Emami (Iran) proposed to make a presentation on “Applicability of Value Engineering to Irrigation and Drainage”. In view of above, the Central Office invited (31 March 2009) Dr. Emami to make his presentation during the meeting of WG-CAFM at New Delhi. Response from Dr. Emami is awaited

Item 8 : New Structured Proposal for WG-CAFM - Workplan

Central Office contacted (31 March 2009) Dr. I.B. Shaikh (Pakistan), Chairman of the WG-CAFM and requested to prepare a new mandate of the WG-CAFM. New issues like climate change, sea level rises, flash floods, adaptation strategy of people living in flood prone areas etc. could be considered. Response is awaited.

The draft mandate will be tabled and discussed during the meeting for onward submission to PCTA, together with tenure.

Item 9 : Any Other Business

The Pakistan National Committee on Irrigation and Drainage (PANCID) has nominated Mr. Zarar Aslam, Chairman PANCID in place of Engr. I.B. Shaikh, in view of Engr. Shaikh’s superannuation in 2009. Engr. Shaikh has been the Chairman of the WG since 2007. The WG members thank Engr. Shaikh for his contributions to the activities of the WG.

Mr. Ahmad Kamal (Pakistan) has also been working as Acting Secretary of the WG since 2008. The WG members also thank him for his contributions.

**A LIST OF PAST PRESENTATIONS ON FLOODS
(Country Case Studies)**

- (1) **Dr Sang-il Lee (Korea)** presented an overview of flood problems at Seoul (2001).
- (2) **Mr. Bob Quazi (Canada)** made a presentation on “Recent floods in Canada” during Montpellier (2004) meetings.
- (3) **Mr R Jeyaseelan (India)** presented an overview of “Approaches to Managing Floods in India” over the past twenty years at Montpellier (2003). He also presented an overview of Recent Flood Problems in India during Moscow (2004) meeting of WG.
- (4) **Mr D de Bruin (The Netherlands)** presented a paper on “Lessons Learned in Flood Water Management” at Montpellier (2003).
- (5) **Prof. M. Viljoen (South Africa)** described institutional aspects of water and flood management in South Africa at Montpellier (2003).
- (6) **Mr. A. Buber (Russia)** presented a paper highlighting the way in which floods passing through multiple dams in the Volga Basin are managed to meet the multiple objectives of water supply, navigation, fishery anagement and flood mitigation at Moscow (2004).
- (7) **Mr. Peter Borrows (UK)** described the development of Catchment Floodplain Management Plans in the Thames catchment at Moscow (2004)
- (8) **Dr K Emami (Iran)** presented a paper on an extreme flood in Iran in 2001 (25% larger than the previously calculated PMF) at Moscow (2004).
- (9) **Mr. Maurice Roos (USA)** presented a note on “Forecast based Reservoir Flood Operations”, describing the use of wetness parameters, rainfall forecasts and flood control diagrams to optimize storage operation for multiple objectives (2005).
- (10) **Mr. Kun Gang Li (China)** presented an overview of flood problems in China over the past century, and new policies to harmonise co-existence between floods, droughts and the human population.
- (11) **Mr. R. Jeyaseelan (India)** presented a paper “Catastrophic Urban Flooding” describing major flood events in Indian cities in 2005.
- (12) **Dr. K. Emami (Iran)** showed video clips of recent failures and overtopping of coffer-dams in Iran (2005).
- (13) **Mr. R. Jeyaseelan (India)** presented a paper on ‘Flash Floods and their Management in India’ (2006)
- (14) **Mr. Maurice Roos (USA)** presented a paper on ‘Hurricane Katrina’ (2006)
- (15) **Mr. Dick de Bruin (The Netherlands) and Mr. Peter Borrows (UK)** prepared a Draft ICID position paper on ‘The Management of Riverine Floods’ (2006)
- (16) **Mr. Dick de Bruin (The Netherlands), Guest Editor**, Special Issue: Integrated Flood Management (*Volume 55 Supplement 1*) of the ICID Journal on ‘Irrigation and Drainage’ (July 2006)
- (17) **Prof. Josip Petras (Croatia)**, made a presentation on ‘Water Management and Flood Control Issues in Croatia’ (2007).

**INTERNATIONAL WORKSHOP ON
“FLOOD MANAGEMENT : FLOOD MONITORING AND EARLY WARNING” (WG-CAFM)**

Workshop Chairman : Mr. Bashir Ahmad (Pakistan)

The international workshop of the Working Group on Comprehensive Approaches to Flood Management (WG-CAFM) was held on 15 October 2008 at Lahore, Pakistan under the Chairmanship of Mr. Bashir Ahmad (Pakistan). The workshop was attended by about 41 participants.

Floods constitute one of the world's most serious natural hazards. History tells man's repeated failure to evade the destruction by floods. In spite of extensive experience and highly developed scientific techniques, floods even now continue to play havoc almost in every part of the world.

The sub-topics for the workshop were: (i) Flood plain management; (ii) Planning & design of river training works; (iii) Flood forecasting, monitoring and early warning systems; (iv) Management of floods in the wake of rapid melting of glaciers due to global warming; and (v) Structural and non-structural measures for the management of the flash flood.

The following papers were presented during the workshop:

- Flash Floods in Pakistan and Management by Engr. Dr. I.B. Shaikh (Pakistan)
 - Flash Flooding in Balochistan (Pakistan) – The Role Played by Mirani Dam by Engr. Dr. I.B. Shaikh (Pakistan)
 - Technical, Economic and Legal Aspects of Development / Management of Transboundary Water Resources by Usman-e-Ghani (Pakistan)
 - Modeling Annual Maximum Peak flows at Various Dams and Barrages, Shazia Afreen, Kamran Abbas and Dr Faqir Muhammad (Pakistan)
 - Flood Management Activities in Turkey by Prof. Dr. Ahmet ŞEREN (Turkey)
 - Flood Management and Flood Warning System in China by Dr. Jianming Ma (China)
 - Raising Small Farm Production and Income in Canal Irrigation Commands by Mr. Jack Keller, J.N. Ray and Robert Yoder (USA)
 - Floods and Flood Plains in Pakistan – An Overview by Mirza Asif Baig (Pakistan)
 - Feather-Yuba Flood Forecast Based Operations by Maurice Roos (USA)
 - Trust Building as Key in Transboundary water management in volta and Rhine by Ir. Maurits Ertsen (The Netherlands)
 - UNESCO-IHE, Land and Water Development by Prof Dr. Bart Schultz (The Netherlands)
 - Viewing GMS Program from International Water Law Systems by Dr. Fang-Chung Lee, (Chinese Taipei)
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