

Minutes of the Twenty-Sixth Meeting of the  
**WORKING GROUP ON COMPREHENSIVE APPROACHES TO FLOOD MANAGEMENT (WG-CAFM)**  
 Tehran, Iran  
 18 October 2011: 09:00-12:30 hours  
*Strategy Theme: Basin*

**Year of Establishment: 1999**

**Completion of the Mandate: 2015**

**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 Present:** (1) Dr. Kamran Emami, Chairman, 2010 (Iran, 1999); (2) Dr. Takao Masumoto, Secretary (Japan, 2009); (3) Dr. Gerard Backeberg represented Prof. M.F. Viljoen (South Africa, 1997); (4) Mr. Ahmet Seren (Turkey, 2006); (5) Mr. Maurice Roos (USA, 2006); (6) Vice President A.K. Bajaj represented Mr. G.S. Purba (India); and (7) Dr. Vijay K. Labhsetwar represented Secretary General, ICID.

**Observers:** (i) Prof. Klaus Röttcher (Germany); (ii) Mr. Ramaran Yucel (Turkey); (iii) Mr. Olli-Matti Verta (Finland); (iv) PH Bart Schultz (The Netherlands); (v) Mr. Noriyoshi Konzo (Japan); (vi) Mr. Jabbar-Vatanfada (Iran); (vii) Ms. Maryam Samimi (Iran); (viii) Mr. Mohsen Masourdiar (Iran); (ix) Mr. Mohd Amin Mohd Soom (Malaysia); (x) Mr. Arthon Suttigarn (Thailand); (xi) Mr. Mati Tonismae (Estonia); (xii) Mr. Osmo Purhonen (Finland); (xiii) Mr. Mohammad Sadegh Jafari (Iran); (xiv) Mr. Clarke Ballard (Australia); (xv) Mr. Hasan B. Yuksel (Turkey); (xvi) VPH Prof. Victor A. Dukhovny (Uzbekistan); (xvii) Mr. Daisuke Watabe (Japan), and (xviii) Mr. M. R. Moterassely (Iran).

**Permanent Observers:** No permanent observers were present.

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

**Item 1 : Confirmation of the minutes of the 25<sup>th</sup> meeting of the Working Group**

The minutes of the 25th meeting of the Working Group held on 12 October 2010 at Yogyakarta, Indonesia were confirmed.

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

The German National Committee of ICID (GECID) nominated Dr.-Ing. Klaus Röttcher (Germany) for the membership of the WG-CAFM and his nomination was accepted unanimously.

The Finnish National Committee of ICID (FINCID) nominated Mr. Olli-Matti Verta (Finland) for the membership of the WG-CAFM and his nomination was accepted unanimously.

The Netherlands National Committee of ICID (NETHCID) nominated Mr. Marcel Marchand (The Netherlands) for the membership of WG-CAFM. Prof. Bart Schultz of NETHCID represented Mr. Marchand and introduced him to the members. The Working Group approved his nomination considering that his absence was only due to entry VISA into Iran.

The Pakistan National Committee of ICID (PANCID) nominated Mr. Asjad Imtiaz Ali (Pakistan) in place of Mr. Zazar Aslam for the membership of the WG-CAFM. Mr. Ali was not present and hence his nomination was deferred until the next meeting in 2012 at Adelaide, Australia.

The Indian National Committee of ICID (INCID) nominated Mr. Chhotey Lal (India) in place of Mr. G.S. Purba for the membership of WG-CAFM. Mr. Lal was not present and hence his nomination was deferred until the next meeting in 2012 at Adelaide, Australia.

### **2.1 Election of new Vice-Chairman of the WG**

The election of Vice Chairman was discussed and the final decision was postponed until the next meeting in 2012 at Adelaide, Australia.

### **Item 3 : Tenure and mandate of WG**

The issue of tenure and the new mandate were discussed. It was conveyed that the 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 members of the WG commented that the following topics, such as adaptive flood management, adaptability to floods, basin approach, holistic approach, climate change, global change and so on, should be added to the mandate:

**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. "The objective is to help the planners, managers and designers setting up holistic, integrated and adaptive flood management schemes in view of uncertainties resulted from the climate and hydrosystems changes".**

Based on the discussion, the Chairman proposed the publication of a book on "Adaptive Flood Management" under the WG. The WG members discussed the contents of chapters to mention strategies for the book, role of case studies, types of floods, different approaches to floods, the inclusion of tidal floods (including TSUNAMI), guidelines to floods, and so on. The WG agreed that it would organize a Workshop under the title of "Adaptive Flood Management" in the meeting at Adelaide, Australia 2012. According to the timing (24-30 June 2012) of the next meeting at Adelaide, the deadlines for the draft of papers are as below:

- Chapters 2 and 3, strategies by the Chairman (by the end of July)
- other Chapters, case studies by the members (by the end of April)
- all drafts (by the end of June)

There were positive declarations for the paper submission to the workshop from the members and/or delegates, such as Pakistan, Turkey, Germany, Japan, South Africa, Iran, USA, Thailand, the Netherlands, and so on. In addition, the National Flood Prevention Committee, Ministry of Energy, Iran pledged to financially support publication of the book.

### **Item 4 : Presentations on Floods (Country Case Studies)**

Mr. J. Vatanfada (Iran) presented a summary of major floods, recent history, current situation and future plan for floods in Iran as a country report.

Mr. Maurice Roos introduced public promotion activities for flood management by using a video of floods in the State of California, USA.

Dr. Takao Masumoto presented the overview of the Great East Japan Earthquake and Tsunami, which occurred on 11 March 2011 in Japan.

Chairman Dr. K. Emami (Iran) presented new Iranian criteria for selection of design floods for large dams.

### **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 Yogyakarta (2010) 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. Dr. Kamran Emami (Iran), Chairman of the WG explained that they could not organize the

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workshop due to very busy program of ICID congress in Tehran. Accordingly, IRNCID prepared a CD containing documentaries, books, papers on "Application of Value Engineering in Irrigation and Drainage Projects" for circulation among the National Committees and delivered to all the participants.

WG supported the idea for forming a task force on "Application of Value Engineering in Irrigation and Drainage Projects" instead of a new working group. The proposal should be presented to PCTA. Furthermore WG decided to work on the role Value Engineering in flood management planning, design, construction and operation.

The Working Group proposes that a Task Force on Value Engineering be established.

**Item 6 : New Structured Wok plan**

The topic was discussed under Item 3 above, but it has not yet been developed into a coherent mandate or work plan. This will be an important item of business for the new team of officers of the WG.

**Item 7 : Any Other Business**

- **2<sup>nd</sup> Istanbul International Water Forum**

The members noted the information.

- **International Workshop on Floods in Pakistan - 2010**

In accordance with item 4 of the last minutes of the WG which was supported by PCTA, an International Workshop on the topic of Floods in Pakistan 2010 (Lessons Learnt & Way Forward) was planned.

ICID and Pakistan Engineering Congress (PEC) successfully organized an International Workshop on "Floods in Pakistan in 2010 - Lessons Learnt & Way Forward" on 12 March 2011 at the auditorium of Pakistan Engineering Congress, Lahore, Pakistan. This workshop was organized under the leadership of Vice President Engr. Husnain Ahmed, President of the Pakistan Engineering Congress in cooperation with Dr. Kamran Emami (Iran) Chairman of WG-CAFM. Federal Minister of Water & Power, the Honorable Syed Naveed Qamar presided over the event as Chief Guest. Mr. Asjad Imtiaz Ali, Chief Engineering Advisor / Chairman Federal Flood Commission / Chairman PANCID and Deputy Chairman NDMA (National Disaster Management Authority) also attended the workshop. The workshop was attended by a large number of delegates, and covered by print / electronic media, inaugural session telecast live by Pakistan television networks.

Dr. Emami presented a summary of the workshop including the title of 11 papers presented. After the workshop, a panel of experts prepared some recommendations on coping with Pakistan floods. The chairman of the WG visited Mangla and Tarbela dams after the workshop and prepared a Road Map on holistic and adaptive management of Pakistan floods that was delivered to Vice President Engr. Husnain Ahmed.

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