

**MINUTES OF THE FIRST MEETING OF THE
WORKING GROUP ON ADAPTIVE FLOOD MANAGEMENT (WG-AFM)**

05 September 2019, 09.00-11.00 hours (Session-I)

05 September 2019, 11.15-13.15 hours (Session-II)

Bali, Indonesia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2016

Completion of the Mandate: 2022

Mandate (new):

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups;
- (b) To provide guidance to compile, publish, update and/or translate documents on adaptive flood management;
- (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic for proper understanding of the technological developments in the subject;
- (d) To organize seminars at ICID Congresses and meeting to enhance deeper understanding of adaptation to and coping with floods including community participation with focus on impact of floods on agriculture water management;
- (e) To prepare a paper on “Adaptive Flood Management” for publication in Irrigation and Drainage (IRD);
- (f) To finalize a book on “Adaptive Flood Management”

Members Present: (1) Dr. Kamran Emami (Iran), Chairman; (2) Dr. Ikuo Yoshinaga (Japan), Vice-Chairman represented by Akie Mukai; (3) Mr. Maurice Roos (USA); (4) Mr. Arthon Suttigam (Thailand); and (5) Ms. Sahar Norouzi (Iran), Young Professional.

Observers: (i) Prof. Budi Santoso (INACID); (ii) Dr. Katsuyuki Shimizu (Japan); (iii) Ir. Mohamed Soushdy (Egypt); (iv) Ir. Chang E. Park (Korea); (v) Dr. Shivaji T. Sangle (India); (vi) Engr. Tanatuwa Damian Ngamwa (Nigeria); (vii) Engr. Garba BellD (Nigeria); (viii) Engr. Adeyinka A. Adenopo (Nigeria); (ix) Ir. Shin Takano (Japan); (x) Ir. Airlangga (Indonesia); (xi) Ir. Made Denny (Indonesia); (xii) Ir. Komawg Adhi (Indonesia); (xiii) Prof. Tsugihiro Watanabe (Japan); and (xiv) Ir. Abin Lee (Korea)

Website: http://www.icid.org/wg_afm.html

WG-AFM Minutes Item 1: Introduction of the new Working Group

1. Dr. Kamran Emami (Iran), Chairman of the WG welcomed all the members and presented a report on the actions taken on the decisions held at its last meeting at Saskatoon, Canada in August 2018.
2. During the meeting, WG Chair presented a brief history of the WGs on flood management such as (i) WG on Non-structural approaches to flood management (1990-1999), Publication: Manual on Non-structural approaches to flood management; and (ii) WG on Comprehensive approaches to flood management (1999-2017), Publication: Manual on planning for structural approaches to flood management. WG addressed uncertainties of water engineering especially the effects of climate change.
3. New nominations received for the membership of the group and decisions are shown in tables below:

Sl. No.	Name of the Members	Country	Provisionally Admitted
1.	Mr. Sayed Sharif Shobair	Afghanistan	Deferred
2.	Mr. Delbert Smith	USA	Deferred
3.	Dato' Ir. Mohd Azmi Bin Ismail	Malaysia	Provisional member

4. The new mandate of the WG (as above) was reviewed during the meeting. Membership status is given in **Annex 4 (page 27)**.

WG-AFM Minutes Item 2: Road Map to ICID Vision 2030 – Activities of the WG

5. The WG discussed the Action Plan (Road Map to ICID Vision 2030) based on the new mandate by updating the activities on flood management issues and provided latest updates to PCTA for inclusion of “Adaptive Flood Management”. AFM is about coping with uncertainties and learning to manage DYNAMIC systems more effectively. A paper prepared by the WG Chair is to be published in the Irrigation and Drainage Journal. The overall contribution of WG-AFM to the Road Map to ICID Vision 2030 will be as follows:

Preparing the WG publication on 'Adaptive Flood Management' in 2020;

- (a) Presenting a paper on 'Adaptive Flood Management' in Irrigation and Drainage Journal (2020);
- (b) Organizing workshops on flood management during ICID events;
- (c) Presenting the relevant documents, presentations and films on the website.

WG-AFM Minutes Item 3: Closure report of erstwhile WG-CAFM and Publication of the Working Group on 'Adaptive Flood Risk Management'

6. The Chair gave a comprehensive presentation on AFM. During the presentation, members of the WG and participants presented a detailed report on some case studies;

- (a) SMART tunnel in Kuala Lumpur by President Hon. Dr. Keizrul from Malaysia;
- (b) Folsom dam by Mr. Maury Roos from USA;
- (c) A report on latest status of flood management in Pakistan in the aftermath of 2010 floods by Vice President Hon. Mr. Waseem Nazir;
- (d) Mose mega flood project in Venice by Prof. Klaus Roettcher from Germany;
- (e) Levee heightening in Nigeria by Nigerian delegation;

7. The Closure Report of the WG-AFM has already been prepared and is being submitted to the ICID Central Office.

WG-AFM Minutes Item 4: Updated Multilingual Technical Dictionary (MTD)

8. The WG could not discuss this item in the meeting and agreed to discuss it during next meeting of the WG. WG Chair requested members to review the MTD terms related to the mandate of the new WG and provide their suggestions to him.

WG-AFM Minutes Item 5: Dissemination of information – Website of the WG

9. It was agreed to prepare a package of presentations, papers, reports and documentaries on flood management. The package will be uploaded to the website. It was also proposed to upload the presentations of the internal workshop in Bali, Indonesia on the WG website.

WG-AFM Minutes Item 5.1: Presentation on Floods (Country Case Studies)

10. WG Chair presented a report on devastating floods in Iran in 2019 that was discussed by the members and participants. Although WG and Central Office has asked the host country for a report on status of floods in Indonesia, however, no Indonesia country presentation was made. The following presentations were made by the members/participants:

- (a) Adaptive Flood Management by WG Chair Dr. Kamran Emami (Iran)
- (b) Updating on Flossom Dam by Mr. Maurice Roos (USA)
- (c) Dual Purpose SMART tunnel in Malaysia by Malaysian representative
- (d) Mose flood management project in Venice (Documentary)
- (e) Rising Dike in Nigeria
- (f) Flood management in Germany

WG-AFM Minutes Item 6: Webinar / Web-based Seminar

11. After the discussion, the WG decided to organize a web-based e-discussion in February 2020.

12. Due to the uniqueness of Dual-Purpose SMART tunnel in Malaysia, it was proposed to coordinate a visit to the tunnel by WG Chair. The Malaysian delegation agreed to plan the visit. President Hon. Dr. Keizrul who has been fully engaged in SMART project from conceptual design to construction & operation and offered to participate in the visit to explain the history and technical details of SMART tunnel. Dr. Vijay K. Labhsetwar from the ICID Central Office will also participate in the visit.

