

**MINUTES OF THE 4TH MEETING OF THE
WORKING GROUP ON CLIMATE CHANGE AND
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**

5 September 2019, 14:00-16:00 hours (Session I) and 16:15-18:15 hours (Session II)
Bali, Indonesia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

Extended the completion of the Mandate: 2021

Mandate: (a) To share the information about prediction of the global and regional climate change and climate variability; (b) To explore and analyse the implications of climate change and climate variability for agricultural water management including irrigation, drainage, and flood control; (c) To promote archiving useful information and case studies on climate change for practical use in improved impact assessment and adaptation development; (d) To enhance discussion on climate change and water management at national and regional scales among the stakeholders including academician, practitioners, decision makers, media as well as farmers and water users in a region; and (e) To join the international dialogue on Climate change and water management.

Members Present: (1) Dr. Tsugihiko Watanabe, Chair (Japan); (2) Dr. Ray Shyan Wu, Vice Chair (Chinese Taipei); (3) Dr. Tian Fuqiang, Secretary, (China); (4) Mr. Atin Kumar Tyagi - Direct Member, JISL (India) represented by Dr. P. Soman; (5) Dr. Nozar Ghahreman (Iran); (6) Prof. Dr. Choi, Jin-Yong (Korea, Rep. of); (7) Reynaldo L Baloloy (Philippines); (8) Eng. (Ms.) Talatha Janaki Meegastenna (Sri Lanka); (9) Dr. Sue Walker (South Africa); and (10) Dr. Liu Jih-Shun (Chinese Taipei).

Permanent Observers: Dr. Alok Sikka (IWMI Representative)

Observers: (1) PH Keizrul bin Abdullah (Malaysia); (2) VPH Shinsuke Ota (Japan); (3) Anton Urfels (Germany); (4) Budi Indra Setiawan (Indonesia); (5) Kazi Yamakawa (Indonesia); (6) Chumul Arif (Indonesia); (7) Satyanto K. Kaptomo (Indonesia); (8) Mamoru Watanabe (Japan); (9) Mr. Kenji Miyagawa (Japan); (10) VP Naoki Hayashida (Japan); (11) Shin Takano (Japan); (12) Fumi Okura (Japan); (13) Eunmi Hong (Korea, Rep. of); (14) Huei-Yih Hsu (Chinese Taipei); (15) Wu Hsing-Chuan (Chinese Taipei); (16) Chiayi Chien (Chinese Taipei); (17) Lin Chun Chi (Chinese Taipei); (18) Dr. Maurice Roos (USA).

Website: <http://wg-climate.icidonline.org/>

WG-CLIMATE Minutes Item 1: Action taken report by Chair

1. At the onset, the Chair Dr. Watanabe welcomed all the members and briefed on the latest status on the action point emerging from the minutes of the previous meeting of the WG held at Saskatoon, Canada in respect of - (i) updating of the terms of MTD related to the scope of the group; (ii) sharing information within the WG through internet, including the WebEx-Meetings of the WG organized on March 8, and August 19, 2019; (iii) review of the new membership nominations, (iv) organization of the International Workshop during the Third World Irrigation Forum (WIF3) on September 1, 2019; and (v) organization of the meeting of the WG with the WG workshop on September 5, 2019 at Bali.

2. The WG reviewed the membership of the group which includes one new nomination viz. Mr. REYNALDO L. BALOLOY (Philippines), and the same was accepted with the participation of the nominee. The member from Pakistan (Mr. Javeed Iqbal Bokhary) had not contributed to the activities of the WG during last two years so as per ICID By-laws 3.5, it was recommended to discontinue the membership of Pakistan with the recommendation to invite new nomination. Since the member of the WG Dr. (Ms.) Fransisca Mulyantari (Indonesia) regrettably passed away in 2018, Chair Dr. Watanabe has requested INACID to nominate a new professional for the membership of the WG, and the response is awaited. Membership status is given in **Annex 4 (page 27)**.

WG-CLIMATE Minutes Item 2: Brief of the WebEx (virtual) meeting organized in March and August 2019

3. The WebEx meetings of the WG were held twice in March and August 2019, to promote the information sharing inside the WG and to collect the ideas and suggestion of the members who are not able to participate in the regular face-to-face meeting in the IEC. The major agenda of both meetings were (i) Expected outcomes of the WG activities on the Road Map for the ICID Vision 2030, (ii) Updating of the MTD-Climate, and (iii) the International Workshop during the Third World Irrigation Forum (WIF3).

WG-CLIMATE Minutes Item 3: Road Map to ICID Vision 2030 – Status of activities on climate change and agricultural water management

4. The WG re-reviewed the Action Plan on the Road Map to ICID Vision 2030 that was modified in the WG meeting in Saskatoon, 2018 (refer **Annex**). The WG confirmed the expected activities for the Goal B and D of the WG under the Action Plan and, as the outcomes of the activities, the WG will publish “Guide to Innovated Irrigation and Drainage Management under the Changing Climate” (tentative title).

WG-CLIMATE Minutes Item 3.1: Publication of the outcomes of the WG

5. The draft table of contents of the expected publication (refer item 3 above) was deliberated and the new time line for drafting was decided (as given below). The first draft publication is to be discussed in the 5th meeting of the WG in Sydney in September 2020.

- (a) Final draft table of contents: by October 2019
- (b) Proposal to other WGs for joint editing: by November 2019
- (c) Assignment of corresponding draft authors: by December 2019
- (d) Collection of relevant information including similar publication and international initiatives: by March 2020
- (e) Preparation of sub-chapters and sections with key words or key sentences: by March 2020
- (f) First Draft Articles: by August 2020

WG-CLIMATE Minutes Item 4: Exchange of information, knowledge & networking**WG-CLIMATE Minutes Item 4.1: Website of the WG**

6. After the WG meeting at Saskatoon, 2018, the website of the working group had been updated with the CVs of the members by Dr. Fuqiang Tian, Secretary of the WG, in charge of managing the website of the WG, with the help of the ICID Central Office. The WG members were requested to send and update the CVs for the website and provide the interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website. The presentation materials as well as the photos in the previous WG meetings were also uploaded.

7. The WG discussed upgrading the website plan, including (i) targeted audiences and objectives, ii) update frequency, which depends on the active inputs from working group members, and might be preliminary 4 times per year (update every 3 months), and iii) materials to be shared. Based on the discussion, Dr. Fuqiang Tian will prepare the strategy and measures for improving and updating the website and they will be shared by the members. It was proposed that two members viz. Dr. Nozar Ghahreman and Dr. Liu Jih-Shun be assigned to help the work of Dr. Fuqiang Tian.

WG-CLIMATE Minutes Item 4.2: Webinar/ Web based seminar

8. The Chair Dr. Watanabe stressed the need to plan Webinar by the WG and suggested to discuss and finalize topics and names of experts to deliver webinars through virtual meeting. The members are also requested to participate in the webinar being organized by ICID.

WG-CLIMATE Minutes Item 5: Updating Multilingual Technical Dictionary (MTD)

9. After the WG meeting in Saskatoon, 2018, Dr. Waleed Hassan Abou El Hassan, the head of the Task Team for MTD-CLIMATE, circulated the updated Work Plan for updating of MTD on Climate to all members and requested them to edit and update the terms of MTD related to the scope of the group, with the timeframe, steps and target dates for updating. According to the work plan, it was proposed that each member of the WG will be assigned two categories and terms of each categories would be drafted by two members.

10. The team leader Dr. Hassan could not participate in the WG meeting hence progress on updating MTD could not be provided at the meeting and also about the future plan. The group requested Dr. Hassan to circulate the updated version to the members. It was proposed that the first draft MTD-CLIMATE will be revised with the direction of TF-MTD.

WG-CLIMATE Minutes Item 6: International Workshop on Innovation of developing the strategy for impact assessment during WIF3, September 2019, Bali

11. As agreed during the Saskatoon meeting, the WG organized the International Workshop on Innovation of Developing the Strategy for Impact Assessment of and Adaptation to the Climate Change as the “New Normal” on 1 September 2019 at Bali. The main objective of the workshop was to discuss the strategies for developing the innovative impact assessment of the climate change on agriculture and the smart water management for adapting to the climate change. In the workshop, total 11 papers were presented out of 15 accepted papers.

12. The major findings and discussion points are as follows:

- (a) The more reliable information of the future climate change impacts with less quantitative and qualitative uncertainties are to be established through innovative and integrated impact assessment and it is to be shared with all the stakeholders including water users.
- (b) The smart water management with the innovated information and communication technology is to be urgently developed and systematically applied, not only for the agricultural productivity but also for the adaptation to the changing climate and mitigation of it.

WG-CLIMATE Minutes Item 7: International Young Professionals Training Program, 22-25 April 2019, Gyeonggi Province, Republic of Korea – Response from YPs on questionnaire

13. The Chair informed that International Young Professionals Training Program (YP-TP) on “Climate Resilient Smart Irrigation Systems” held in Korea in April 2019 was organized by KCID in collaboration with the Chinese National Committee (CNCID) and ICID and was briefed by Mr. Amali Abraham Amali, who participated in the program. WG decided to digest and try to utilize the outcomes of the Program YP-TP for the WG activities, especially the responses of the whole participant to five questions about climate change issues.

WG-CLIMATE Minutes Item 8: Any other business

14. The Chair introduced the discussion and requested Task-Force to Guide ICID Inputs to World Water Forum 9 (TF-WWF9), which will be held in March 2021 at Dakar, Senegal. The TF-WWF9 is going to develop the collaborative events or performances of ICID with other international organizations including IPCC, WMO, FAO, etc. The WG decided to plan some preparatory works for WWF9, which would be the arena to disseminate and discuss the outcomes of the WG in the world communities.



Annex [Appendix XII, Item 3]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-CLIMATE

Goal/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal B: Be a catalyst for change in policies and practices							
B2. Strategy: Promoting Risk Management Approaches							
B3. Strategy: Integrated irrigation and drainage management	3.2 Organize introduction of the cases to be applied to other regions	Compilation of Cases	2 Case Studies in humid region (introduction in WG Meeting)	2 Case Studies in arid/semi- arid region (introduction in WG Meeting)	2 Case Studies on unique examples (introduction in WG Meeting)	Extra Case Studies and comparison of the cases (introduction in WG Meeting)	Integration to conclude in general
B6. Strategy: Helping development of climate change adaptation strategy	6.1 Develop Guideline for Water Management Practices under Changing Climate	Guidelines	General policy and table of contents are decided	First draft of the core parts	Release the First Draft Guidelines in WIF3		Release the Final Draft Guidelines
	6.2 Prepare Position Paper on Smart Water Management for Mitigating Climate Change	Position Paper	2nd Workshop on Post Paris 2015	3rd Workshop on Post Paris 2015	Discuss in a Side Event and Release the Draft in WIF3		
	6.3 Develop position paper on adaptation to climate change	Position Paper	Communication with International Organizations	Communicati on with International Organization s	Release the First Draft Paper in WIF3		Release the Final Draft
Goal D: Enable cross disciplinary and inter-sectoral engagement							
D2. Strategy: Develop technical documents in non-technical language	2.1 Integrated Assessment of Climate Change Impacts	Brief Guidelines with Compilation of Case Studies	2 Case Studies with focus on technical background and uncertainty (introduction in WG Meeting)	2 Case Studies with previous year's focus plus economic and social aspects (introduction in WG Meeting)	2 Case Studies with previous year's focus plus financial and institutional arrangement (introduction in WG Meeting) and Introduction of state-of-the- art methodologies and their outcomes in WIF3	2 Case Studies with previous year's focus plus interest groups (introduction in WG Meeting)	Release the Brochure

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)

