

**MINUTES OF THE 3RD MEETING OF THE
WORKING GROUP ON CLIMATE CHANGE AND
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**
14 August 2018, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Saskatoon, Saskatchewan, Canada

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. Nozar Ghahreman (Iran); (4) Prof. Dr. Choi, Jin-Yong (Korea, Rep. of); (5) Er. Harish K Varma represented Secretary General Er. Ashwin B. Pandya.

Observers: (1) VP Dr. Charlotte de Fraiture (The Netherlands); (2) VP Mr. Naoki Hayashida (Japan); (3) Mr. Patrick Cherneski (Canada); (4) Dr. Virginia Wittrock (Canada); (5) Dr. Aston Chipanshi (Canada); (6) Dr. Jih-Shun Liu (Chinese Taipei); (7) Dr. Chung-Feng Ding (Chinese Taipei); (8) Ms. Mei-Yuan Su (Chinese Taipei); (9) Dr. Eman Ragab (Egypt); (10) Mr. Mitsuo Ishijima (Japan); (11) Mr. Yasunori Saiki (Japan); (12) Dr. Jaepil Cho (Korea, Rep. of); (13) Dr. Seunghoon Lee (Korea, Rep. of); (14) Dr. Eunhee Choi (Korea, Rep. of); (15) Mr. Jongwon Do (Korea, Rep. of); (16) Dr. Zaw Latt (Myanmar); (17) Mr. Kenneth S. Sunmonu (Nigeria); (18) Prof. Sue Walker (South Africa); (19) Dr. Caren Jarmain (South Africa); (20) Mr. 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 at Mexico City 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-Meeting of the WG organized on July 5, 2018, (iii) review of the new membership nominations, and (iv) organization of third meeting of the WG with the WG workshop on August 14, 2018 in Canada.

2. The WG reviewed the membership of the group which includes two new nominations viz. Dr. Jih-Shun, Liu (Chinese Taipei) and Prof. Sue Walker (South Africa), and same were accepted, with the participation of both the nominees. The member from Iraq (Mr. Hatem Hameed Hussein) 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 Iraq with the recommendation to invite new nomination. Membership status is given in **Annex 3 (page 51)**.

WG-CLIMATE Minutes Item 2: Road Map to ICID Vision 2030 – Status of activities on climate change and agricultural water management

3. The WG discussed the activities on climate change and agricultural water management for the WG-CLIMATE based on the report “A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030” and its “APPENDIX: Action Plan 2017-21 - Activities under Various Strategies”, and reviewed the planned activities, outputs/outcomes, and milestones for each year of the WG (refer **Annex 1**).

4. As per action plan, three publications, i.e. “Guideline for Water Management Practices under Changing Climate” (activity B6.1), position paper on “Smart Water Management for Mitigating Climate Change” (activity B6.2) and another position paper on “Adaptation to Climate Change” (activity B6.3) were planned. Based on the review of activities of action plan and the discussions, the group decided to combine these documents into one, which will include background, general recognition, case studies and some guides and perspectives. WG also agreed to deliberate on its frame or the table of contents during the coming year, in cooperation with other working groups of

ICID. The group adopted the following time line to finalise its table of contents with key statements ready for deliberations in the fourth meeting of WG to be held in Bali, Indonesia, in September 2019:

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| (a) Draft table of contents, through WebEx meeting and e-mail communication | : | by November 2018 |
| (b) Proposal to other WGs for joint editing | : | by January 2019 |
| (c) Assignment of corresponding draft authors | : | by March 2019 |
| (d) Collection of relevant information including similar publication and international initiatives | : | by July 2019 |
| € Preparation of sub-chapters and sections with key words or key sentences | : | by August 2019 |

WG-CLIMATE Minutes Item 3: Exchange of information, knowledge & networking

WG-CLIMATE Minutes Item 3.1: Website of the WG

5. After the Mexico meeting, 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 Chair Dr. Watanabe reported the progress of the web updating and the dissemination of activities on behalf of Dr. Tian, and requested all members to submit CV, if not done so far. The chair also confirmed the necessity of uploading all presentation materials in the WG workshop after 2015.

WG-CLIMATE Minutes Item 3.2: Webinar/ Web based seminar

6. At Mexico meeting, the WG proposed a Webinar by Dr. Jaepil Cho of APEC Climate Center, Korea. Accordingly, the webinar was delivered by Dr. Jaepil on July 5, 2018 with the title "Seamless Climate Service and Downscaling for Climate Change Adaptation". The WG chair stressed need to plan Webinar by the WG and suggested to discuss and finalise topics and names of experts to deliver webinars through virtual meeting.

7. Dr. Jaepil Cho of APEC Climate Centre attended the WG meeting, and provided further information related to the topic of the webinar delivered and coming program in the future.

WG-CLIMATE Minutes Item 4: Updating Multilingual Technical Dictionary (MTD)

8. On behalf of the team leader for updation of MTD Dr. Waleed Hassan Abou El Hassan, the WG Chair briefed the progress of updating of MTD and the completion of the first draft on August 10, 2018, which includes 181 terms of 12 categories, while the previous version of the last year included 126 terms of 9 categories.

9. The WG will continue editing MTD taking care of relation with the category of climate change of the current ICID MTD and the glossaries or dictionaries edited by other organizations including IPCC and UNESCO, in cooperation and guidance of the TF-MTD.

WG-CLIMATE Minutes Item 5: Workshop on Agricultural Water Management under the Changing Climate, August 2018, Canada

10. In line with the activities for the Vison 2030, the WG organized an internal Workshop on the theme "Agricultural water management under the changing climate" during the meeting and invited following six presentations on (a) water management practices under climate change, (b) change in policies and practices under changing climate, and (c) development of integrated assessment of climate change impacts:

- (a). Dr. LIU Jih-Shun (Agricultural Engineering Research Center, Chinese-Taipei): Modeling smart irrigation system for mixed crop field water demand- a case study in central Taiwan
- (b). Dr. Nozar GHAHREMAN (University of Tehran, Iran): Application of RCP scenarios in assessment of climate change impact on extreme events: Experiences from Iran
- (c). Dr. Patrick CHERNESKI et al.(AAFC National Agro-climate Information Service, Regina, Saskatchewan, Canada): Present and Future Agro-climate Trends and Impacts in the Canadian Prairies
- (d). Dr. Jin-Yong CHOI (Seoul National University, Korea): Climate Change Responses for Agricultural Water Management and Institutional Activities in South Korea
- (e). Dr. Sue WALKER et al.(Institute for Soil, Climate and Water, Agricultural Research Council, Pretoria South Africa): Mobile Apps for Small-scale Farmers in South Africa
- (f). Dr. Tsugihiko WATANABE (Kyoto University, Japan): Integrated assessment of "Climate Change Impacts on Basin Agro-ecosystems": Introduction of a forthcoming book on the case in Turkey

11. Based on the outcomes of the past WG workshops and as the milestone of the activity for the Vision 2030, the WG proposed to organize a workshop during the 70th IEC in Bali, Indonesia in September 2019, with possible cooperation of other work bodies. The WG decided to propose and organize some sessions in the Third World Irrigation Forum to be held in Bali, Indonesia in September 2019.

13. The WG chair reported that one joint session of ICID, PAWEES and INWEPF will be organized in “PAWEES & INWEPF International Conference Nara” from 20-22 November in 2018 at the Nara, Japan. WG suggested that this collaboration may be organized at the ICID level and not at the work body level.

WG-CLIMATE Minutes Item 6: Any other business

14. The WG chair introduced the international conference “THA 2019 International Conference on Water Management and Climate Change towards Asia's Water-Energy-Food NEXUS and SDGs” in Bangkok, Thailand, January 23-25, 2019. Since its objects and topics are deeply related to the activities of the WG, the chair suggested and encouraged all members to participate and exchange the information.



Annex 1 [Appendix XII, Item 2]

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	Communicatio n with International Organizations	Communica tion with International Organizatio ns	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 methodologie s 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)

