

**MINUTES OF THE 1ST MEETING OF THE
WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)**

05 September 2019, 11:15-13:15 hours
Bali, Indonesia

Strategy Theme: On-Farm

Presented by the Chair

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate:(a) Exchanging knowledge, experience and data as well as networking on the topic in order to be up-to-date with new developments, methods and approaches; (b) Preparing comprehensive reviews and prospects with respect to different aspects of NCWR; (c) Producing technical manuals, guidelines or standards with respect to all NCWR including waste water, drainage water and saline/brackish water; (d) Organizing international workshops, seminars and meetings on the NCWR topic; (e) Producing documents on successful case studies with the new developments with respect to NCWR presented by the members from different countries; (f) Enlarging the membership of the WG by encouraging more member countries where the use of non-conventional waters is a common practice for irrigation management; (g) Finalizing the publication of a Technical Paper pending from the activities of the erstwhile Working Group on Use of Poor Quality Water for Irrigation (WG-PQW).

Members Present: (1) Dr. Wenyong Wu, Vice Chair/Secretary (China); (2) Dr. Chihhao Fan (Chinese Taipei).

Observers: (1) Robyn Johnston (Australia); (2) Anton Urfels (Germany); (3) Zeinah Behery (Egypt); (4) Dr. Alok Sikka (IWMI-India Representative); (5) Vinod Kumar Tiwari (India); (6) Kwang Yoon (Korea, Rep. of); (7) Dr. (Ms.) Naoko Koshiyama (Japan); (8) Dr. Fumi Okira (Japan); (9) Shuhei Yoshimoto (Japan).

WG-NCWRI Minutes Item 1: Introduction by the Chair

1. Secretary Dr. WU Wenyong introduced the mandate of the Working Group on Non-conventional Water Resources for Irrigation (WG-NCWRI) and conducted the meeting as Vice Chair in absence of Chair Anna Tedeschi.
2. The group reviewed the nominations of Mr Mohamed Ouhssain (Morocco), Dr Ratan Chand Jain (India), and Dr. Chihhao Fan (Chinese Taipei) received for the membership of the Working Group. As Dr. FAN Chihhao attends the WG meeting and introduces himself, the group accepted him as member while Mr Mohamed Ouhssain and Dr Ratan Chand Jain were absent from the WG meeting hence, they were accepted as Provisional Members. Membership status is given in **Annex 4 (page 27)**.
3. Seven members were absent, Dr. Wenyong suggested that Central Office should contact the concerned National Committee to make sure that the member can contribute to the group and attend the meeting regularly.

WG-NCWRI Minutes Item 2: Road Map to ICID Vision 2030 – Activities on non-conventional water resources for irrigation

4. The group discussed the Road Map to ICID Vision 2030 and provided latest updates to PCTA for inclusion. (*refer Annex*). In December 2019, the draft document on the Use of Non-conventional Waters applied in case studies in their countries is expected to be finished, Dr. Tasuku Kato and Dr. Muhammad were responsible for the draft document. In December 2019, the new work plan will be finalized, Chair Anna Tedeschi and Dr. WU Wenyong would be responsible for the work plan.
5. In June 2020, the draft document of reclaimed water irrigation guideline is expected to be finalized, Dr. WU Wenyong is responsible for the draft document. Dr. WU Wenyong made an interesting presentation titled "Fate of nonylphenol in soil-crops system with long-term reclaimed water irrigation".

WG-NCWRI Minutes Item 3: Discuss and develop work plan based on new mandate**WG-NCWRI Minutes Item 3. 1: Prepare a state-of-the-art document on use of NCWR**

6. Dr. Fumi Okura reported the results of Japanese case study on behalf of Dr. Tasuku Kato and Dr. Muhammad Munir Ahmad unable to attend the Bali meeting. After discussion with the members, Vice Chair suggested that the draft document on the use of non-conventional waters should be finalized by the end of 2019. Dr. Tasuku Kato and Dr. Muhammad Munir Ahmad are responsible for these case studies.

WG-NCWRI Minutes Item 3. 2: Developing manuals/ standards with respect to NCWR

7. Vice Chair suggested to prepare for reclaimed water irrigation guideline for ICID and suggested that the guideline should include the parts of evaluation, feasibility allocation, crop classification, irrigation technology, monitoring and assessment. Dr. WU Wenyong has kindly accepted the responsibility for the draft document and for this purpose he will contact other WG members and invite more members to participate in the guideline preparation.

WG-NCWRI Minutes Item 3. 3: Organizing international workshop on NCWR topics

8. The WG suggested organizing International Workshop on Non-conventional Water Resource for Irrigation during 71th IEC in Sydney (Australia) in 2020, if possible. Vice Chair invited Chair Anna Tedeschi and all members to come forward and contribute in organizing the above workshop.

WG-NCWRI Minutes Item 3. 4: Joint Session of Strategy Theme On-Farm, September 2019, Bali

9. Vice Chair WU Wenyong provided a brief introduction of the organization of Joint Section of Strategy Theme “On-Farm” organized jointly by WG-WATER & CROPS, WG-SON-FARM and WG-NCWRI and also briefed about the 1st online WebEx meeting organized on 31 May 2019. Vice Chair WU Wenyong made an interesting presentation “Nonconventional Water Resource Irrigation (NCWRI) in China: Review and Development Strategy” in the Joint meeting in 5 September 2019.

WG-NCWRI Minutes Item 3. 5: Publication of erstwhile WG-PQW

10. Vice Chair WU Wenyong discussed the preparation of the technical papers, and proposed to publish the paper “Nonconventional Water Resource Irrigation (NCWRI) in China: Review and Development Strategy”. Vice Chair requested Chair Anna Tedeschi to appoint the member who will be responsible to synthesize these papers into technical report and e-publish on the ICID website (under WG webpage), if possible. Dr FAN Chihhao suggested that the authors of technical papers should give representations in Sydney meeting in 2020.

WG-NCWRI Minutes Item 3. 6: Capacity building- training and workshop

11. Dr. Alok Sikka, a representative from IWMI suggested that the WG can organize a Workshop in Sydney meeting in 2020.

WG-NCWRI Minutes Item 4: Any other business

Annex [Appendix XXV, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for Year 2022
A7. Strategy: Using Wastewater or Poor-Quality Water for Irrigation	7.1 Compile best practices for sustainably managing and using non- conventional water resources	Case studies			State-of-the- art document on use of NCWR		
	7.2 Contribute to the establishment of national policy for re-use of treated wastewater in irrigation	Position Paper			Position Paper of Reclaimed water irrigation in China		
	7.3 Participate in research on the development of sewage	Guidelines			Reclaimed water irrigation guideline		

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



