

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

14 August 2018, 13.30-15.00 hours
Saskatoon, Saskatchewan, Canada

Strategy Theme: On-Farm

Presented by the Chair

Mandate: The new mandate can be seen under Item 1.

Members Present: (1) Dr Anna Tedeschi, Chair (Italy); (2) Dr. Wenyong Wu, Secretary (China); (3) Vice President Hon. Ragab Ragab (UK); (4) Dr. Takanori Nagano (Japan); (5) Dr. Tasuku Kato (Japan); (6) Dr. Seung Heon Lee (Korea).

Observers: (i) Dr. Graziano Ghinassi (Italy); (ii) Dr. Ikuo Yoshinga (Japan); (iii) Dr. Mamoru Watanabe (Japan); (iv) Dr. Vijay K Labhsetwar (India)

WG-NCWRI Minutes Item 1: Introduction of the new Working Group by the Chair

1. Chair Dr. Anna Tedeschi (Italy) welcomed the members and briefed them about the mandate of the new Working Group on Use of Non-Conventional Water Resources for Irrigation (WG-NCWRI) as follows:

New mandate of the WG:

- (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 WG-PQW.

2. The group discussed and reviewed the nomination of Dr. Muhammad Munir Ahmad (Pakistan), Dr. Mohamed Shaban M. Abu Salama (Egypt), and Dr. Hussein Abdel Halim El Gammal (Egypt). Since the above nominees were not available at Saskatoon meetings, the WG accepted them as Provisional Members. WG is looking forward to the participation of these members in the next event/WebEx and have their contribution to the WG activities. The group noted that the Japanese National Committee nominated Dr. Tasuku Kato in place of Dr. Takanori Nagano for the membership of the working group. Dr. Tasuku Kato attended the meeting and the WG accepted him as member. As Dr. Takanori Nagano was involved in other parallel meetings, it is difficult for him to participate effectively. WG thanked Dr. Nagano for his contributions in the WG activities. Moroccan National Committee (ANAFIDE) had proposed the nomination of Mr. Mohamed Ouhssain however, CV is yet to be received. Membership status is given in **Annex 3 (page 51)**.

3. The National Committee of Greece had expressed an interest in the WG with the candidature of Prof. Nicholas Dercas (Greece) and Dr. Bourazanis Giorgos (Greece). Since, neither Drs. Dercas and Giorgos were available nor Greece is active member of ICID, the WG acknowledged their interest in joining the WG and suggested Drs. Dercas and Giorgos to join ICID as Direct Member (DM) by sending the filled-in application form available on the ICID website and may pursue the NC to initiate joining ICID in due course of time.

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

4. The group discussed and reviewed the activities as listed in the action plan of Road Map to ICID Vision 2030 (refer **Annex**). During the meeting, two interesting presentations related to the new mandate of the working were made as below:

- “Measurement of soil salinity by hyperspectral reflectance of cotton leaves” by Dr. Takanori Nagano (Japan);

- “Pollution potentials and risks of organic pollutants with reclaimed water irrigation” by Dr. Wenyong Wu (China)

5. The above contributions were in line with the Road Map to ICID Vision 2030 and generated a lot of discussion with fruitful comments.

WG-NCWRI Minutes Item 3: Report of Special Session on ‘Water reuse and water quality management’, Saskatoon 2018, Canada

6. During the meeting, the Chair provided a brief report of the Special Session on “Water reuse and water quality management” organized on 13 August 2018. There were interesting presentations on issues related with monitoring of the pollution discharged to water networks by the industry. However, only one presentation was related with the application of non-conventional water for irrigation. The session included three presentations from two countries viz. Chinese Taipei and Egypt and as follows:

- Application of Resin Capsules in Heavy Metal Monitoring in Irrigation Water - Sheng-Chi Lin (Chinese Taipei);
- Forewarning analysis of the irrigation water quality by linking automatic monitoring system - Chihhao Fan (Chinese Taipei);
- The National Water Quality Monitoring Network In Egypt: Assessment and Rationalization Approach - Eman Ragab (Egypt)

WG-NCWRI Minutes Item 4: Discuss and develop work plan based on new mandate

7. Chair Dr Anna Tedeschi discussed the ‘Six-Year Plan’ of the working group with all the members and proposed that in accordance with the Scoping Document (SD), prepare a state-of-the-art document on the use of non-conventional water for irrigation by each member country of the WG. It was suggested that this should be a preliminary step before the WG can think of writing guidelines for the use of NCWR as reported in the Scoping Document. The document should be a summary of the situation in each member country of the WG and the document length should range between 5-7 pages. Moreover, the Chair also invited members to continue to promote the activities of the WG and promote the expansion of the membership. The Scoping Document for WG-NCWRI will be presented to PCTA for approval.

WG-NCWRI Minutes Item 5: Joint Session of Strategy Theme On-Farm, 15 August 2018, Canada

8. Chair invited members to attend the Joint Session and offer their suggestions. WG wishes to cooperate with other WGs involved in the Joint Session for common goal activities. The chair will report the results of the meeting later.

WG-NCWRI Minutes Item 6: Publication of the erstwhile Working Group

9. Chair informed that the pending publications of the WG have reached the final steps. The following manuscripts were already submitted to ICID Central Office:

- Impact of Tsunami on farmland and the progress of rehabilitation after the Great East Japan Earthquake by Dr. Takanori Nagano (Japan)
- Impact of saline irrigation water on soil conditions and soil properties by Dr. Tedeschi Anna et al. (Italy)

10. It was also informed that the two new contributions were received in July 2018:

- Poor quality water and degraded land for biofuel crops (*Arundo Donax*, L.) by Dr. Tapas K. Biswas (Australia)
- Modelling the use of irrigation as part of a highly saline mine water management strategy in the Vaal Basin, South Africa by Dr. Michael van der Laan, et al. (S.Africa)

11. After seeing the activities of the WG, Dr. van der Laan proposed that the manuscript mentioned above be replaced with the one from Prof. Rensburg. WG thanked Dr. Laan and Dr. Tapas for their contributions and that closed the long-standing situation of the technical report of the WG.

WG-NCWRI Minutes Item 7: Any other business

12. Dr. Nagano informed that he participated in the meeting of TF-MTD. He observed that only a few words are related to the WG-NCWRI and invited the WG members to monitor the situation and add words, if necessary and appropriate. WG thanked Dr. Nagano for his support and suggestions.



Annex [Appendix XXV, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Mileston e for Year 2021
GOAL A: Enable Higher Crop Productivity with Less Water and Energy							
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					
	7.2 Contribute to the establishment of national policy for re-use of treated wastewater in irrigation	Position Paper					
	7.3 Participate in research on the development of sewage	Guidelines					

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



