

APPENDIX XXV [PCTA Item 9.3]

**AGENDA FOR 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).

In May 2019, Chair Anna Tedeschi informed that she will not be able to attend the Bali meeting due to some unavoidable reason and requested Vice-Chair Prof. Wenyong Wu to conduct the meeting.

WG-NCWRI Agenda Item 1: Introduction by the Chair¹

1. As per Resolution IEC-2/69, vide notification no.18 of 2018, dated 4 December 2018, the ICID Central Office has informed about the establishment of the Working Group on Non-conventional Water Resources for Irrigation (WG-NCWRI) and invited nominations from the National Committees.

2. In response, the Moroccan National Committee (ANAFIDE) has nominated Mr MohaOuhssain while the Indian National Committee on Surface Water (INCSW) has nominated Dr Ratan Chand Jain for the membership of the WG. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be dealt suitably after the meeting.

SUPP: Chinese Taipei Committee (CTCID) vide email of 24 July 2019 has nominated Dr. Chihhao Fan for the membership of the Working Group.

3. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes. The Chair will make a brief introduction of the WG and present the report on the actions taken on the decisions and proposals of the working group at its last meeting held at Saskatoon in August 2018.

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

4. At Saskatoon meeting (2018), the group discussed and reviewed the activities as listed in the action plan of Road Map to ICID Vision 2030 (*refer Annex 2*). During the meeting, two interesting presentations related to the new mandate of the working were made viz:

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

¹ This will also include details of membership of WG as **Annex**

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

5. WG Chair will further discuss the mechanisms to monitor the progress of identified activities under action plan during the meeting and update the action plan.

WG-NCWRI Agenda Item 3: Discuss and develop work plan based on new mandate

6. Chair and members of the group may like to discuss and develop the work plan based on the new mandate at the meeting.

WG-NCWRI Agenda Item 3. 1: Prepare a state-of-the-art document on use of NCWR

7. In January 2019, Chair Anna Tedeschi circulated an outline proposal to all members for preparing a document on the use of non-conventional waters applied in case studies in their countries. The proposed outline of the document is:

- (a) Description, location, dimension and years of application of the field trial on which the use has been demonstrated and evaluated
- (b) Type of crops on which the water is applied
 - Perennial or seasonal
 - Food chain or other use
- (c) Characteristics of non-conventional water:
 - Source, composition, Temperature, flowrate
- (d) Mode of application
 - Restrictions applying to water quality vs water use (e.g. forage vs human nutrition)
 - Only non-conventional water? Or a mixture of water and non –conventional water?
 - Irrigation scheduling and irrigation system
- (e) Yield response
 - Biomass production
 - food quality

8. Chair requested all members to contribute so that it could be tabled at Bali meeting in September 2019. The document should describe case studies of the application of non-conventional waters resources for crop cultivation, mostly focusing on the effect on crop growth/yield. Chair has informed that Dr. Tasuku Kato, and Dr. Muhammad Munir Ahmad shall report the results of their case studies at Bali meeting.

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

9. As per mandate of the WG, the group would like to produce technical manuals, guidelines or standards with respect to all NCWR including waste water, drainage water and saline/brackish water. Chair may like to discuss it with the members towards developing such documents at the meeting.

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

10. The members of the group may like to discuss about organizing international workshops, seminars and meetings on the NCWR topic at the meeting.

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

11. At Saskatoon, the group successfully organized the Joint Session meeting of Strategy Theme ‘On-Farm’ on 15 August 2018. Similarly, this year too, a Joint Session of three WGs under Strategy Theme On-Farm will be organized on 5th September 2019 at Bali during 70thIEC and WIF3. WG-WATER & CROPS, WG-SON-FARM and WG-NCWRI fall under the strategy theme ‘ON-FARM’. In this respect, 1st online WebEx meeting was organized on 31 May 2019. The minutes of the WebEx meeting are available at **Annex 3**. Members of the WG are requested to participate in the joint session of strategy theme On-Farm on 5 September 2019.

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

12. The following technical papers have been now received after untiring efforts by the Chair and ICID Central Office:

- (a) Impact of Tsunami on farmland and the progress of rehabilitation after the Great East Japan Earthquake by Dr. Takanori Nagano (Japan)
- (b) Impact of saline irrigation water on soil conditions and soil properties by Dr. Tedeschi Anna et al. (Italy)
- (c) Poor quality water and degraded land for biofuel crops (ArundoDonax, L.) by Dr. Tapas K. Biswas (Australia)
- (d) 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. (South Africa)
- (e) Review and retrospective of reclaimed water irrigation in China by Prof. Wenyong Wu (China) will be preferred to be finished in the end of June.

13. The Chair and the members may discuss ways to synthesise these papers into a Technical Report and e-publish on the ICID website (WG webpage).

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

14. The members of the group may like to discuss about developing and running capacity building program dedicated to the NCWR users.

WG-NCWRI Agenda Item 4: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

Annex 1 [Appendix XXV, Item 1]

A. Members and their attendance at 2018 meeting

No.	Members	Member from (Year)	2018		Remarks
			Self	Contributed by mail	
1.	Dr. (Ms.) Anna Tedeschi, Chair (Italy)	2018	•	•	
2.	Dr. Wenyong Wu, Secretary (China)	2018	•	•	
3.	Dr. Tapas Kumar Biswas (Australia)	2018		•	
4.	VPH Dr. Samia El-Guindy (Egypt)	2018			
5.	Dr. Mohamed Shaban M. Abu Salama (Egypt)	2018			
6.	Dr. Hussein Abdel Halim El Gammal (Egypt)	2018		•	
7.	VPH Dr. Karim Shiasi (Iran)	2018		•	
8.	Dr. Tasuku Kato (Japan)	2018	•	•	
9.	Dr. SeungHeon Lee (Korea, Rep. of)	2018	•	•	
10.	Dr. Muhammad Munir Ahmad (Pakistan)	2018		•	
11.	Prof. Leon van Rensburg (South Africa)	2018			
12.	VPH Dr. R. Ragab (UK)	2018	•	•	
13.	Secretary General, ICID				
	Permanent Observers				
14.	FAO representative				
15.	ICBA representative (UAE)	UAE			

B. New nomination received from the National Committees

No.	Name	Country	Remarks
1	Mr MohaOuhssain	Morocco	Recommended as member, subject to his presence else provisional member
2	Dr Ratan Chand Jain	India	Recommended as member, subject to his presence else provisional member
3	Dr Chihhao Fan	Chinese Taipei	Recommended as member, subject to his presence else provisional member



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					
	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)



ONLINE/VIRTUAL MEETING OF JOINT SESSION OF STRATEGY THEME – ON FARM

Date: 31 May 2019; Time: 18:30 hours (India Time)

MINUTES

Members present: (1) VP Dr. K. Yella Reddy (India), Strategy Theme Leader – ‘On-Farm’ and Secretary of WG-WATER & CROPS; (2) VPH Ragab Ragab (UK), Chair of WG-WATER & CROPS; (3) VPH Laurie C. Tollefson (Canada), Vice-Chair of WG-WATER & CROPS; (4) Dr. A.K. Randev (India), Chair of WG-SON-FARM; (5) Mr. Carl Walters (Australia), Vice-Chair of WG-SON-FARM; (6) Dr. Wenyong Wu (China), Vice-Chair of WG-NCWRI; (7) Er. A.B. Pandya, Secretary General; (8) Er. Harish Kumar Varma, Executive Director; and (9) Dr. Vijay K. Labhsetwar from ICID Central Office.

ISSUES FOR DISCUSSIONS

Item 1: Background / Introduction

At the onset, Er. A.B. Pandya, Secretary General, welcomed all the members present and briefly narrated the background for the meeting. He reiterated that the consensus during the Canada meeting (2018) was to proceed with the development of a common agenda for the combined meeting of three WGs i.e. WG-WATER & CROP, WG-SON-FARM and WG-NCWRI (erstwhile PQW) with the aim to make the meetings more-lively, reduce number of parallel events, if possible.

Item 2: Outcome / Recommendations of the Joint Session of Strategy Theme – On Farm

Name of the Strategy Theme: During the Joint Session of Strategy Theme – On Farm held in Canada (2018), the new names proposed for the Strategy Theme were ‘Water Productivity’ or ‘Water Productivity and Environmental Sustainability’. However, considering reservations from PH Dr. Gao Zhanyi, Chair of SC-E-THEMES, members unanimously agreed to a revised name of “*On-farm Water Management*”. This would be placed for confirmation during the Bali meeting.

Structure of the Joint Session: SG A.B. Pandya brought the attention of the members to four components of the joint meeting i.e. WG Presentations, Workshops / Seminars, Panel Discussions and Webinar/e-Discussions and sought the opinion of the Chairs and members.

It was agreed to make WG presentations of mutual interest in the Jt. Meeting. WG-WATER & CROP is already organizing an International Workshop on ‘*Improving the water use efficiency and productivity within the water-energy-food nexus*’ on 01 September 2019 at Bali and members from the other WGs were invited to contribute to this workshop. As far ‘Panel Discussion’, it was thought appropriate to organize a 60-minute discussion on “*Building capacities for farm level water management*” (tbc) and Chaired by the Theme leader/s. Webinar/e-Discussions are to be organized during the year and not at the Joint Meeting.

Item 3: Tenure and expected output of the WGs of Strategy Theme ‘On-Farm’

Given the variable tenures of the three WGs and to bring out an expected output (guidelines / position papers, technical reports etc.) in due course of time, it was thought appropriate to extend the tenures of the WG-WATER & CROP (closing in 2019) and WG-SON-FARM (closing in 2022) to year 2025 which is closing of the WG-NCWRI (PQW). A proposal to this effect will be made to PCTA at Bali.

Item 4: Draw a combined agenda for the Joint Session on 05 Sept.2019 (13:30 to 17:00 hours)

The task of preparing a combined agenda was assigned to ICID Central Office. Accordingly, a draft agenda has been prepared. Chairs and members are requested to peruse the agenda and improve the same as appropriate by 01 July 2019 as time is scarce and confirmations have to be sought.

Item 5: Any other suggestion / observations

