

**AGENDA FOR THE 5TH MEETING OF THE
WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)**

05 November 2023, 09:30-11:00 Hours
Visakhapatnam (Vizag), Andhra Pradesh State, India

Strategy Theme: On-Farm

Presented by the Chair

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate: To 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; to preparing comprehensive reviews and prospects with respect to different aspects of NCWR. Producing technical manuals, guidelines or standards with respect to all NCWR including waste water, drainage water and saline/brackish water; to organizing international workshops, seminars and meetings on the NCWR topic, to producing documents on successful case studies with the new developments with respect to NCWR presented by the members from different countries; to 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.

Website: http://icid-ciid.org/inner_page/123

WG-NCWRI Agenda Item 1: Action taken report by Chair¹

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting in October 2022.
2. In December 2022, the Turkish National Committee (TUCID) nominated Dr. (Ms.) Bilge OMAR and Ms. Senem YILDIRIM (Turkey) for the membership of the group.
3. VPH Dr. Samia El-Guindy (Egypt), Dr. Hussein Abdel Halim El Gammal (Egypt), Dr. Seung Heon Lee (South Korea), and Prof. Leon van Rensburg (South Africa) have not contributed to the activities of the working group during the last two years. Similarly, Dr. Usman Khalid Awan (Pakistan) admitted as Provisional Member during the Adelaide meeting in 2022 has not contributed to the activities of the group. Chair in consultation with the Vice Chair, and the Central Office has updated the membership of the WG as given in **Annex 1** (refer to the *electronic version for the latest list*). New nominations, if any, for the membership received, will be dealt with suitably after the meeting.

WG-NCWRI Agenda Item 2: Brief of the virtual meetings organized in 2023

4. In 2023, four virtual meetings of WG-NCWRI will be organized viz. January, June, August, and November this year. Accordingly, the first virtual meeting was organized on 16 January while the second virtual meeting was organized on 13 June 2023. During the virtual meetings, activities of organizing a workshop on NCWR, Capacity Building Training, etc. have been discussed as part of the Road Map to ICID Vision 2030. The group is planning to organize the third virtual meeting in August 2023. Minutes of the virtual meetings of all work bodies have been uploaded on a dedicated webpage – https://icid-ciid.org/inner_page/152 Chair will provide further updates at the meeting.

WG-NCWRI Agenda Item 3: Road Map to ICID Vision 2030 – Activities on non-conventional water resources for irrigation

5. At the Adelaide meeting, the group noted that three activities have been started viz. (a) “Use of nonconventional water for food production” for the workshop - Dr. Tapas is responsible for the workshop; (b) Guideline document of brackish water irrigation - Dr. Anna is responsible for drafting the guideline outline and leads to draft the guideline suggested by Chair; (c) Capacity building training on nonconventional water resources use for irrigation. According to the last implementation situation, WG revised the action plan for the years 2022 to 2024 as part of the Road Map to ICID Vision 2030 (refer to **Annex 2**). Chair will provide further updates at the meeting.

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

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

WG-NCWRI Agenda Item 4.1: Prepare a state-of-the-art document on the use of NCWR

6. In January 2023, Chair Dr. Wenyong Wu circulated the draft outline of the Case Study on the Use of Non-conventional Water Resources in Agriculture to all members for their comments and suggestions. During the first virtual meeting held on 16 January, Dr. Qi reported the outline of the case study document on the use of non-conventional water resources in agriculture and reported edition progress based on the files proposed by some members. Dr. Qi invited more members to participate in the case study document or provide cases. Dr. Tasuku Kato volunteered to provide a Japanese case in the English version. Dr. Mohamed Salama was interested in the document and volunteered to provide Egyptian cases.

7. During the second virtual meeting, Dr Li on behalf of Dr. Qi reported the progress of the case study document. Chapters 1, 2, and 5 of the case document have almost finished. As for chapters 3 and 4, they still need to add more cases from different countries. Dr. Qi will promote these documents as soon as possible and then send them to all members for their comments. Chair will provide further updates at the meeting.

WG-NCWRI Agenda Item 4.2: Developing manuals/ standards with respect to NCWR

8. Chair Dr. Wenyong Wu is bringing out the Guidelines for Reclaimed Water Irrigation. In January 2023, Chair circulated the draft of the Guidelines to all members of the working group and invited comments and suggestions. Chair Dr. Wu will present the final version of the guidelines at the meeting.

WG-NCWRI Agenda Item 4.3: International Workshop on Smart Use of Non-conventional Waters for global food security under changing climates, November 2023, Vizag, India

9. International Workshop on Smart Use of Non-conventional Waters for global food security under changing climates will be held on 03 November 2023 in Vizag, India. This workshop will include presentations and case studies from various countries focusing on various aspects of innovative, efficient, smart, and safe use of non-conventional water for growing foods/ fibre to achieve a closed loop future for water. Smart technology will play an ever-increasing role in making the industry sustainable with minimum or zero footprints. This workshop intends to bring together experts worldwide to share information, experience, and views on the applications of modern technologies in nonconventional water irrigated agriculture.

10. The workshop is open to everyone and all speakers will be invited by the working group. So this workshop will not receive abstracts and papers from the public. This workshop will be for 3 hours. President Dr. Ragab will announce the guideline first. Chair Dr. Wu Wenyong would introduce the guidelines. There will be 8-10 speakers for making presentations. Dr. Tapas Biswas, Dr. Tasuku Kato, Dr. Sunil D. Gorantiwar, and Dr. Meng Ma would also give presentations from the perspectives of different countries. Each working group member would nominate 2-3 experts to give presentations. Vice Chair will provide further updates at the meeting.

WG-NCWRI Agenda Item 4.4: Capacity building training and workshop

11. In 2022, the group members started the “Digital application in the use of non-conventional water resources” training course. After discussion in 2023, WG members reached an agreement that the whole training is for a day (max 4 to 5 hours) with a break in between. Dr. Tapas Biswas, Dr. Sunil, Dr. Kato and Dr. Wu Wenyong will be the trainers of the course. The training course is preferred to be held in September 2023. Chair will provide further updates at the meeting.

WG-NCWRI Agenda Item 4.5: Presentation by the group members

12. During the virtual meeting on 13 June 2023, Dr. Sheng-Wei Wang (Chinese Taipei Committee) made an interesting presentation about arsenic contaminants in groundwater and agriculture irrigation. Members are requested to make a presentation during the meeting in consultation with the Chair.

WG-NCWRI Agenda Item 5: ICID Members' Profile Section

13. As a new initiative, ICID has launched a new website (<https://icid-ciid.org>) as part of ICID's 70th Anniversary Celebration to meet the new web technologies. One of the newly added web features provides WG members access to their profile section using their dedicated account. ICID CO vide email dated 9 July 2021 <<https://icid.bmeurl.co/C7D4D2E>> informed all members on how to access their accounts and change their passwords to maintain accuracy. Members are requested to review and update their information using their credentials and help us to maintain accurate information.

WG-NCWRI Agenda Item 6: World Irrigation and Drainage Schemes (WI&DS)

14. ICID has taken the initiative to document the development of irrigation and drainage schemes in the world by establishing an online Register on “World Irrigation and Drainage Schemes (WI&DS)”. WI&DS will fulfil the need for a much-awaited global repository of information in systematic irrigation and agricultural water management. Irrigation projects having 5000 Hectares and above of Command Area can submit their information for inclusion in the register. The irrigation projects approved by National Committee/ ICID Central Office for inclusion are entitled to Certification. Chair will encourage members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.

WG-NCWRI Agenda Item 7: Any other business

15. **Restructuring of the Working Group:** At the 73rd International Executive Council (IEC) meeting in Adelaide, it was decided by the IEC to look into the possibility of integrating WGs of similar/ close mandate. With consultation of PCTA, PCSO, Secretary General of ICID, and the ICID Central office, a tentative new structure was developed. Among the existing 18 groups, nine of them will complete their mandate in November 2023. The remaining working groups are proposed to be structured into 11 new working groups under four themes: (1) Irrigation and Drainage Water Management (Long-term activities); 2. Natural Resources Management (Medium-term activities); 3. Water Management under Climate Change & Water Scarcity (Medium to long-term activities); 4. Sustainable Development and Management: Capacity Building, History, Institutional and Socio-Economical Aspects of Irrigation and Drainage Schemes. (Long-term activities). Proposed restructuring and new structure of the WGs will be deliberated during PCTA and IEC meetings of the 74th IEC meetings to be held from 1-8 November 2023 at Vizag, India. Under these four themes, the WG-NCWRI has been included in theme 1 (Irrigation and Drainage Water Management) which is proposed to be integrated with two working groups namely: WG-ENV and WG-MWSCD. WG Chair will provide further updates during the meeting. report on the restructuring of the working groups is given in **IEC Annex 5, page 23**.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Vizag, India after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 07 November 2023.

A. Members and their attendance at 2021, 2022, and 2023 (virtual) meetings

No.	Members	Member from (Year)	2021		2022		Attended virtual meetings in 2023	Remarks
			Self	Contributed	Self	Contributed		
1.	Dr. Wenyong Wu, Chairman, 2021 (China)	2018	•	•	•	•	•	
2.	Prof. Tapas Kumar Biswas, Vice Chair (Australia)	2018	•	•	•	•	•	
3.	Dr. (Ms.) Anna Tedeschi (Italy)	2018		•		•	•	
4.	VPH Dr. Samia El-Guindy (Egypt)	2018						No contribution, recommended for discontinuation after India meeting if no contribution
5.	Dr. Mohamed Shaban M. Abu Salama (Egypt)	2018					•	
6.	Dr. Hussein Abdel Halim El Gammal (Egypt)	2018						No contribution, recommended for discontinuation after India meeting if no contribution
7.	VPH Dr. Karim Shiati (Iran)	2018				•		
8.	Dr. Tasuku Kato (Japan)	2018	•	•	•	•	•	
9.	Dr. Seung Heon Lee (South Korea)	2018						No contribution, recommended for discontinuation after India meeting if no contribution
10.	Dr. Muhammad Munir Ahmad (Pakistan)	2018		•				
11.	Prof. Leon van Rensburg (South Africa)	2018						No contribution, recommended for discontinuation after India meeting if no contribution
12.	President Dr. R. Ragab (UK)	2018		•	•	•	•	
13.	Mr Mohamed Ouhssain (Morocco)	2019	•	•	•	•		
14.	Dr Ratan Chand Jain (India)	2019				•	•	
15.	Dr Chihhao Fan (Chinese Taipei Committee)	2019		•				
16.	Dr. Ashish Pandey (India)	2021		•	•	•		
17.	Dr. Sunil D. Gorantiwar (India)	2021		•	•	•	•	
18.	Ms. Jigyasha Rai Yangkhurung (Nepal)	2021	•	•	•	•	•	
19.	Dr. Shu-Yuan Pan (Chinese Taipei Committee)	2021		•				
20.	Prof. Qi Xuebin (China)	2021	•			•	•	
21.	Dr. Usman Khalid Awan (Pakistan)	2022						No contribution, recommended for discontinuation after

No.	Members	Member from (Year)	2021		2022		Attended virtual meetings in 2023	Remarks
			Self	Contributed	Self	Contributed		
								India meeting if no contribution
22.	Dr. Sheng-Wei Wang (Chinese Taipei Committee)	2022			•		•	
23.	Secretary General, ICID		# ²	#		#		
	Permanent Observers							
(i)	FAO representative							
(ii)	ICBA representative (UAE)							

B. New nominations received from the National Committee

No.	Name	Country	Remarks
1.	Dr. (Ms.) Bilge OMAR	Turkey	Recommended as a member, subject to her presence else a provisional member
2	Ms. Senem YILDIRIM	Turkey	Recommended as a member, subject to her presence else a provisional member



² Through representation

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for Year 2022	Milestone for Year 2023	Milestone for Year 2024
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		Publishing a Paper of Reclaimed water irrigation in China				
	7.3 Capacity building training on nonconventional water resources use for irrigation					Digital application in the use of nonconventional water resources	Monitoring soil salt with remote sensing technology	
	7.4 Workshop on use of nonconventional water for food production					Workshop on use of nonconventional water for food production for high value production	International Workshop on Smart Use of Non-conventional Waters for global food security under changing climates, November 2023, Vizag, India	
	7.5 Participate in research on the development of sewage	Guidelines				Reclaimed water irrigation guideline		
	7.6 Guideline document of brackish water irrigation							Brackish water irrigation guideline

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

