

**MINUTES OF THE 2RD VIRTUAL MEETING OF THE
WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)
13 JUNE 2023, 14:30-16:00 HOURS**

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 Minutes Item 1: Action taken report by Chair

1. Dr. Sheng-Wei Wang, who was accepted physically in Adelaide in 2022, gave a presentation about arsenic contaminants in groundwater and agriculture irrigation. The group suggested Dr. Sheng-Wei Wang send publications related to the working group for uploading on the ICID website.
2. Chair Dr. Wu could not contact the nominated experts from Turkish National Committee (TUCID). The central office is requested to contact the nominees and request them to get in touch with Chair Dr. Wu for the activities of the WG.

WG-NCWRI Minutes Item 2: Brief of the virtual meetings organized in February, April, and July 2023

3. Four virtual Zoom meetings of WG-NCWRI will be organized viz. January, June, August, and November this year. Activities of organizing a workshop on NCWR, Capacity Building Training, etc. have been launched as part of the Road Map to ICID Vision 2030. This is the second meeting and there will be another two meetings in August and November. Chair Dr. Wu Wenyong hoped that the members actively take part in the working group.

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

4. Case study document - Dr. Qi and Dr. Tasuku Kato were responsible to finish the case studies.
5. Reclaimed water irrigation guideline - Dr. Wu Wenyong was responsible for finishing the reclaimed water irrigation guideline.
6. Dr. Tapas Biswas suggested holding a workshop in India this year.
7. Capacity building training on "Digital application in the use of non-conventional water resources". Dr. Wu Wenyong and Dr. Tapas Biswas will be responsible for the training course.

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

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

8. Dr. Qi was not available during the online meeting. His partner, Dr Li helped him report the progress of the case study document. Chapters 1,2 and 5 of the cause 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.

WG-NCWRI Minutes Item 4.2: Developing manuals/ standards on the use of NCWR

9. Chair Dr. Wu reported the document draft of the reclaimed water irrigation guideline. It would be finished in about one month. Then Chair Dr. Wu will send the final version to members.

WG-NCWRI Minutes Item 4.3: Organization of International Workshop on nonconventional water use

10. As Dr. Tapas Biswas suggested, a new workshop will be held in India this year. This International Workshop is on the use of unconventional water resources and will be organized by the working group. It is open to everyone. 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 in this workshop (**refer to Annex 2**).

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

11. During the second virtual meeting on 04 April 2022, the group members started the training course on “Digital application in the use of non-conventional water resources”.
12. WG members reached an agreement that the whole training is for a day (max 4-5 hours) with a break in between. Dr. Tapas Biswas, Dr. Sunil, Dr. Kato and Dr. Wu Wenyong will be the trainers of the course.
13. The training course is preferred to be held in September 2023. The whole training is for 4 hours with a break in between.
14. Chair Dr. Wu will contact the central office to promote the training course, and coordinate to prepare the brief CV. Dr. Tapas Biswas, Dr. Tasuku Kato, and Dr. Sunil should provide Chair Dr. Wu with their photos and a brief CV before the end of June (**refer to Annex 3**).

WG-NCWRI Minutes Item 5: Any other business

15. President Dr. Ragab made a closing remark at the end of the virtual meeting.



Members and their attendance at 2020-2023 meetings

No.	Members	Member from (Year)	2020		2021		2022		2023					Remarks
			Self	Contributed by mail	Self	Contributed by mail	virtual meeting (July, April, February)	WG meeting	1virtual meeting	2virtual meeting	3virtual meeting	4virtual meeting	WG meeting	
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												
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. Seung Heon Lee (South Korea)	2018												
10.	Dr. Muhammad Munir Ahmad (Pakistan)	2018	☐											
11.	Prof. Leon van Rensburg (South Africa)	2018												
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				☐	☐		☐	☐				

No.	Members	Member from (Year)	2020		2021		2022		2023					Remarks
			Self	Contributed by mail	Self	Contributed by mail	virtual meeting (July, April, February)	WG meeting	1virtual meeting	2virtual meeting	3virtual meeting	4virtual meeting	WG meeting	
18.	Ms. Jigyasha Rai Yangkhurung (Nepal)	2021			☐	☐	☐	☐	☐	☐				
19.	Dr. Shu-Yuan Pan (Chinese Taipei Committee)	2021				☐								
20.	Prof. Qi Xuebin (China)	2021			☐		☐		☐	#				
21.	Secretary General, ICID		#		#	#	#			#				
22.	Dr. Usman Khalid Awan (Parkistan)													
23.	Dr. Sheng-Wei Wang (Chinese Taipei Committee)							☐		☐				
24.	Dr. (Ms.) Bilge OMAR(Turkey)													
25.	Ms. Senem YILDIRIM(Turkey)													
	Permanent Observers													
26.	FAO representative													
27.	ICBA representative (UAE)													



**AGENDA OF INTERNATIONAL WORKSHOP ON THE USE OF
NONCONVENTIONAL WATER RESOURCES (DRAFT)**

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

Time: 3 hours

Place: India

Each working group member is suggested to nominate 2-3 experts to give presentations in this workshop

	Speakers	Tittle (undetermined)
1	Dr. Wu Wenyong	The guidelines of working group
2	Dr. Tapas Biswas	The use of unconventional water resources in Australia
3	Dr. Sunil D.Gorantiwar	The use of unconventional water resources in India
4	Dr. Tasuku Kato	The use of unconventional water resources in Japan
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11
12	Dr. R. Ragab	A closing remark

CV and Photo form



President Hon. Prof. Em. Dr. Bart Schultz, (Netherlands)

The career of Em. Prof. Bart Schultz includes more than 40 years of research, advising and project implementation in the field of land and water development, drainage, irrigation, flood management and environmental engineering.

He worked as Head of the Water Management Division in the IJsselmeerpolders Development Authority, and as Head of the Environmental Engineering Department and Top Advisor in the Civil Engineering Division of Rijkswaterstaat. At IHE Delft he was responsible for education and research in Land and Water Development.

He is author of more than 325 papers and visited about 35 countries to: participate in international research, appraise, evaluate, or advice in projects and to teach.

He was President of ICID and Chairman of the Editorial Board of *Irrigation and Drainage*. He is the winner of the 2nd World Irrigation and Drainage Prize.



VP Ir. Hisham Ghazali (Malaysia)

Dato' Ir. Nor Hisham bin Mohd Ghazali FIEM, P.Eng., ACPE, Hon. FAFEO: Dato' Ir. Nor Hisham Bin Mohd. Ghazali is Chairman of the Malaysian Water Partnership, a not-for-profit organisation that promotes Integrated Water Resources Management through competency building and bridging programs amongst stakeholders. He is a former Director-General of the National Institute of Water Research Malaysia (NAHRIM), and prior to that, he was the Director General of Department of Irrigation & Drainage Malaysia (or DID). He holds a B. Sc. in Civil Engineering from California State University and a Masters' Degree in Coastal and Maritime Engineering from Universiti Teknologi Malaysia. He has over 35 years of service and experience in operational, technical, management and policy positions. Whilst being recognised as a coastal engineer and pioneer of the JPS Integrated Shoreline Management Program, he has spent the last decade in both government and non-government

activities related to water resources management and disaster risk reduction including the monitoring and assessment of progress towards Sustainable Development Goals 6 (water and sanitation).

Dato' Nor Hisham has served as a member of the Malaysian National Committee for Irrigation and Drainage (MANCID) executive committee since 2012 and continues to be active in the Working Groups for Sustainable Development of Tidal Areas and Value Engineering. In 2021, he was elected a Vice-President of the International Commission on Irrigation and Drainage (ICID).

Annex 4

Group photo for all online members

