

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

05 August 2021, 14.30-16.30 hours

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).

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

Members Present: (1) Dr. Wu Wenyong, Chair (China); (2) President Dr. R. Ragab (UK); (3) Dr. Tasuku Kato (Japan); (4) Dr. Tapas Kumar Biswas (Australia); (5) Dr. Ashish Pandey (India); (6) Ms. Jigyasha Rai Yangkhurung (Nepal); (7) Dr. Shu-Yuan Pan (Chinese Taipei Committee); (8) Mr. Mohamed Ouhssain (Morocco); (9) Dr. Sunil D. Gorantiwar (India); (10) Er. B.A. Chivate represented Secretary General, ICID Central Office (India).

Observer: Ma Meng (China)

WG-NCWRI Minutes Item 1: Review the Activities Progress in the Mandate by the Chair¹

1. President Dr. R. Ragab helped in conducting the virtual meeting in front and middle stage of the meeting due to internet problems.
2. The Chair introduced the members of the WG:
 - a. About new nominations viz. Ms. Jigyasha Rai Yangkhurung from Nepal and Dr. Shu-Yuan Pan from Chinese Taipei Committee. Nominees introduced themselves.
 - b. All members were expected to fill up the members' information which will be helpful for exchange of information and cooperation (refer **Annex 1**).
 - c. Dr. R. Ragab, President of ICID, made a short speech to the members.
3. The group discussed the progress of ongoing activities as per the mandate of the WG. Two activities have been started since Bali Meeting in 2019:
 - a. The case studies document - the use of non-conventional waters in different countries. Dr. Tasuku Kato was responsible for file preparation of the case studies.
 - b. The draft document of reclaimed water irrigation guideline is expected to be finalized. Dr. WU Wenyong was responsible for the draft document.
4. The Chair has finished drafting document of reclaimed water irrigation guideline, and introduced the content of the draft. All members were expected to participate in reviewing and revising the draft document. The final version is expected to be finished by end of November 2021.
5. Dr. Tasuku Kato introduced the progress of file preparation of the case studies. Dr. Tasuku Kato expect members to submit native case studies files, and he planned to connect with members' and complete the draft by the end of this year.

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

WG-NCWRI Minutes Item 2: Discuss activities to be suggested for the Mandate on non-conventional water resources for irrigation

6. President Dr. Ragab introduced future activities of the WG i.e. Capacity Building Training to train users on NCWRI to be held in 2022. After discussion, Dr. Tapas Biswas (Australia), Dr. Ashish Pandey (India), and Dr. Tasuku Kato (Japan) were volunteered as Member of Organizing Committee for the training. It was proposed to request members to volunteer as contributor to the training. The ICID Central Office will circulate the invitation and request the members to volunteer as member of Organizing Committee.

WG-NCWRI Agenda Item 2.1: Discuss international workshop on NCWR topics

7. The Chair suggested organizing a Workshop on “Use of non-conventional water resources for irrigation” during the 24th ICID Congress to be held from 03-10 October 2022 at Adelaide, South Australia. President Dr. Ragab suggested one-day Workshop, and asked the Central Office to contact the National Committee, and prepare for the Workshop. Dr. Tapas Kumar Biswas shared helpful advices on the preparation of the Workshop. During the meeting, Dr. Tapas Biswas (Australia), Dr. Ashish Pandey (India), Dr. Shu-Yuan Pan (Chinese Taipei Committee), Dr. Tasuku Kato (Japan). Ms. Jigyasha Rai Yangkhurung (Nepal) have volunteered and agreed to contribute to the workshop.

WG-NCWRI Agenda Item 2.2: Developing standards with respect to NCWR

8. The Chair suggested to draft the guideline document of brackish water irrigation in 2022. The President suggested that the Chair should contact with Dr. Ms. Anna Tedeschi (Italy) to talk about the possibility of preparing the guideline based on FAO guideline.

WG-NCWRI Minutes Item 3: Presentations and exchange

9. Ms. Jigyasha Rai Yangkhurung made good a presentation on “Status irrigation and the use of NCWRI in Nepal”. Dr. Shu-Yuan Pan made a good presentation on “Non-conventional Water Reuse in Agriculture Towards a Circular Water Economy: Perspective and Prospect”.

WG-NCWRI Minutes Item 4: Selection of Vice Chair or/and Sectary of the WG

10. The Chair proposed to elect Vice Chair and Sectary of the WG, and will collect the candidates for the two positions.

WG-NCWRI Minutes Item 5: Any other business

11. In order to communicate with each other, WeChat, a great social-messaging and calling App, was suggested to make use to strengthen exchange information, if possible. President Dr. Ragab made a closing speech.



WG-NCWRI - MEMBERS INFORMATION

No.	Members	ICID Position	Member from (year)	Country or Region	Organization	Position	Research or Work field	Email	Mobile
1	Dr. Wenyong Wu,	Chair of the WG	2018	China	Department of Irrigation and Drainage, China Institute of Water Resources and Hydropower Research (IWHR)	Vice Director, Professor	Use of Nonconventional Water, Fertigation, Smart Irrigation	wenyongwu@126.com	86 138 1068 9476
2	Dr. R. Ragab	President of ICID	2018	UK	UK Centre for Hydrology (UK CEH)	Fellow Principal Hydrologist & Water Resources Management Specialist	use of poor-quality water (saline/brackish, treated wastewater) for crop production, organic farming and urban hydrology	rag@ceh.ac.uk, ragab@icid.org	+44 7753685447
3	Dr. (Ms.) Anna Tedeschi		2018	Italy	CNR-IBBR-UOS-Portici (Institute of Biosciences and Bio resources)	Researcher		anna.tedeschi@cnr.it	+39 3496135452
4	Dr. Tapas Kumar Biswas		2018	Australia	CSIRO Land and Water	Sr Research Scientist		tapas.biswas@csiro.au	,+61 409 444 379
5	VPH Dr. Samia El-Guindy	VPH of ICID	2018	Egypt	Ministry of Water Resources and Irrigation, National Water Research Center,	Director Advisory Panel Project on Water Management (APP)		app@link.net	+201 2231 8556
6	Dr. Mohamed Shaban M. Abu Salama		2018	Egypt	National Water Research Center	Researcher		salamashaban@gmx.com	002-0109 90 20 415
7	Dr. Hussein Abdel Halim El Gammal		2018	Egypt	National Water Research Center	Associate Professor		elgammalhussein@gmail.com , elgammalhussein@nwr-egypt.org	+201005447334.
8	Dr. Karim Shiati	VPH of ICID	2018	Iran	YEKOM Consulting Engineers, Head of Water Resources Department			karim.shiati@yekom.com k_shiati@yahoo.com,	+9821 82 116 666
9	Dr. Tasuku Kato		2018	Japan	International Environmental and Agricultural Science Graduate School of Agriculture Tokyo University of Agriculture and Technology	Associate Professor		taskkato@cc.tuat.ac.jp	+81-42-367-5757

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No.	Members	ICID Position	Member from (year)	Country or Region	Organization	Position	Research or Work field	Email	Mobile
10	Dr. Seung Heon Lee		2018	South Korea				seungoh.lee@hongik.ac.kr	
11	Dr. Muhammad Munir Ahmad		2018	Pakistan	Pakistan Agricultural Research Council	Ex-Director General Planning and Development Division		munir.wrri@gmail.com	+ 92 301 532 4570;
12	Prof. Leon van Rensburg		2018	South Africa	Department of Soil, Crop and Climate, Sciences, University of the Free State			vrensbl@ufs.ac.za	27 514 012957
13	Mr Mohamed Ouhssain,		2019	Morocco	Directorate of Irrigation and Agricultural Land Planning - Ministry of Agriculture , Maritime Fisheries, Rural Development and Waters and Forests	Chief Engineer of Rural Engineering, Head of Division for the Promotion and Implementation of Public Private Partnerships		ouhmoh@yahoo.fr; marehal@gmail.com, ouhssain1971@gmail.com	+ (212) 537 299 193,
14	Dr Ratan Chand Jain,		2019	India	Central Ground Water Board & Central Ground Water Authority, Ministry of Jal Shakti, Govt. of India	Formerly Chairman		ratan.jain@gmail.com ,	+91 79 27560037
15	Dr Chihhao Fan		2019	Chinese Taipei Committee	Department of Bioenvironmental Systems	Professor		chfan@ntu.edu.tw ,	+886-2-33663476
16	Dr. Shu-Yuan Pan		2021	Chinese Taipei Committee	National Taiwan University	Assistant Professor		sypan@ntu.edu.tw	+886-910606598;
17	Ms. Jigyasha Rai Yangkhurung		2021	Nepal	Department of Water Resources and Irrigation	Engineer		jigyasharai9@gmail.com	+9779842149746
18	Dr. Ashish Pandey		2021	India	Indian Institute of Technology Roorkee	Professor Deptt. of Water Resources Development & Management		ashisfwt@gmail.com, ashish.pandey@wr.iitr.ac.in,	+91-94120-70399
19	Dr. Sunil D. Gorantiwar		2021	India	Department of Agricultural Engineering MPKV,	Professor and Head		sdgorantiwar@gmail.com	+91 9881595081

