

**AGENDA FOR THE 3RD MEETING OF THE
WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)
27 NOVEMBER 2021, 08:45-10:30 HOURS
MARRAKESH, MOROCCO**

**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 meetings.
2. The Indian National Committee (INCID) has nominated Dr. Ashish Pandey and Dr. Sunil D. Gorantiwar (India) for the membership of the group. Similarly, Nepal National Committee (NENCID) has nominated Ms. Jigyasha Rai Yangkhurung (Nepal) while Chinese Taipei Committee (CTCID) has nominated Dr. Shu-Yuan Pan (Chinese Taipei Committee) for the membership of the group. During the virtual zoom meeting held on 5 August 2021, Ms. Jigyasha Rai Yangkhurung and Dr. Shu-Yuan Pan were present and introduced themselves. The group accepted them as member of the WG. In September 2021, Chinese National Committee on Irrigation and Drainage (CNCID) has nominated Prof. Qi Xuebin (China) for the membership of the group.
3. Chair 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.
4. Dr. Sunil is expected to make a presentation.

WG-NCWRI Agenda Item 2: Brief of the virtual meeting organized in August 2021

5. During the second monthly meeting on 7 June 2021, ICID President Dr. Ragab Ragab (UK) discussed various activities of the ICID. During the virtual meeting, President Dr. Ragab has suggested ICID Central Office to contact the Chair/ Vice Chair/ Secretary of the working group and request them to organize at least two virtual meetings in a year apart from the physical meetings organized during the annual IEC meetings of ICID. Accordingly, ICID Central Office has communicated Chair/ Vice Chair and Secretary to organize virtual meeting.
6. The first virtual zoom meeting of WG-NCWRI was organized on 05 August 2021 wherein eight members were participated. During the meeting, Chair discussed various activities being undertaken by the WG as part of Road Map to ICID Vision 2030, organization of workshop on NCWR, Capacity Building Training etc. Minutes of the virtual meetings of all work body have been uploaded on a dedicated webpage - "[ICID Workbodies Virtual Meeting](https://www.icid-ciid.org/icid_data_web/min_ncwri_webmeeting.pdf)"/
https://www.icid-ciid.org/icid_data_web/min_ncwri_webmeeting.pdf.

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

7. The group discussed the progress of ongoing activities as per the mandate of the WG. After discussion, WG proposed to revisit the action plan for the year 2022 as part of the Road Map to ICID Vision 2030 (**Annex 2**). Two activities have been started since Bali Meeting in 2019 viz. (a) case study document - the use of non-conventional

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

waters in different countries - Dr. Tasuku Kato was responsible for preparation of the case studies; and (b) the draft document of reclaimed water irrigation guideline - Dr. WU Wenyong was responsible.

8. During virtual meeting in August 2021, Chair Dr. Wu has informed that he 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. Dr. Tasuku Kato introduced the progress of preparation of the case studies. Dr. Tasuku Kato expect members to submit native case study files, and also he planned to contact with members' so as to complete the draft by the end of this year. In August 2021, Dr. Ashish Pandey shared case study "Water sources in Non-conventional use (brackish, saline, urban waste water, agricultural waste water)" to Dr. Tasuku Kato, and Chair Dr. Wu shared case study on "Irrigation with Unconventional Water Resources in China: Review and Development Strategy" to Dr. Tasuku Kato.

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

WG-NCWRI Agenda Item 4. 1: Prepare a state-of-the-art document on use of NCWR

9. During virtual meeting, it was reported that Dr. Tasuku Kato was responsible for preparation of the case study document on the use of non-conventional waters in different countries. In August 2021, Dr. Kato has requested members to submit information related to country area, water sources in non-conventional use, crop type and criteria of water, scale of command area etc. for preparation of the document. In response, Dr. Tapas Biswas has shared the filled-in information.

WG-NCWRI Agenda Item 4. 2: Developing manuals/ standards with respect to NCWR

10. During Bali meeting, it was suggested to prepare reclaimed water irrigation guideline for ICID and suggested that the guideline should include the parts of evaluation, feasibility allocation, crop classification, irrigation technology, monitoring and assessment. Dr. WU Wenyong kindly accepted the responsibility for preparation of the draft document and for this purpose he invited members to participate in the guideline preparation. Dr. Wenyong has informed that he is contacting the responsible member for preparation of draft guideline for reclaimed water irrigation for ICID.

11. During the virtual meeting in August 2021, Chair suggested to draft the guideline document of brackish water irrigation in 2022. President Dr. Ragab (UK) suggested that the Chair should contact Dr. Ms. Anna Tedeschi (Italy) to discuss about the possibility of preparing the guideline based on FAO guideline. Chair will provide further updates at the meeting.

12. During the virtual meeting in October 2021, Chair reported the progress of guideline for reclaimed water irrigation. Chair will introduce the final version of the guideline for reclaimed water irrigation according to revisions of members. The final version will be proposed to central office. Chair will discuss with members to fix the guideline to be developed from 2022.

13. Dr. Anna will introduce the draft outline of the guideline "brackish irrigation for crop production (to be fixed)", and give suggestions how to organize and promote the guideline edition.

WG-NCWRI Agenda Item 4. 3: Organizing international workshop on NCWR topics

14. During the virtual meeting in August 2021, Chair suggested to organize 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 for a one-day Workshop and asked the Central Office to contact the National Committees, and prepare for the announcement for the Workshop. Dr. Tapas Kumar Biswas shared helpful advices on the preparation of the Workshop. 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 kindly volunteered and agreed to contribute to the workshop.

15. In August 2021, Central Office invited members to volunteer and join either as a member of the Organizing Committee and/ or contribute to the workshop.

16. In October 2021, Chair discussed the Workshop organization issues with members, and volunteers were expected to prepare for relative files of the Workshop separately. Dr. Tapas will introduce the draft flyer of the workshop. Members will discuss and give suggestions for the draft flyer. The flyer is expected to be finished before December 10, and propose the final versions to central office

WG-NCWRI Agenda Item 4. 4: Publication of the erstwhile WG-PQW

17. During virtual meeting in October 2021, Dr. Kato reported the progress of case studies and introduced the draft version. Dr. Kato will report the latest progress of the case studies file, and which is expected to be finished in the end of this year.

WG-NCWRI Agenda Item 4. 5: Capacity building training and workshop

18. During virtual meeting in August 2021, 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. The group also proposed to request members to volunteer as contributor to the training. Accordingly, in August 2021, Central Office circulated the invitation and requested members to volunteer and join as member of Organizing Committee and/ or contribute to the workshop.

19. During virtual meeting in October 2021, the group took about the training courses to users, which should include reclaimed water irrigation, brackish water irrigation, rain harvest and use in dryland, drainage water recycles and reuse, etc. Chair discussed members to recommend appropriate professors who can spare time to give lessons.

20. Chair suggest that Dr. Sunil is responsible for the training agenda, and propose draft training agenda in the WG meeting if possible, or give oral suggestions if time limited.

WG-NCWRI Agenda Item 4. 6: Organization of next virtual meeting of WG

21. It was decided that the Working Groups should organize a virtual meeting or a video-conference in between two face to face meetings of the IEC in order to enable the group to take a view of the progress made on their activities and at the same time allow contributions from those members who are unable to attend the face to face meetings (*refer item 1*)..

WG-NCWRI Agenda Item 5: Presentation and exchange

22. During virtual meeting in August 2021, the newly nominated members' viz. Dr. Ashish Pandey shared case study "Water sources in Non-conventional use (brackish, saline, urban waste water, agricultural waste water)", Ms. Jigyasha Rai Yangkhurung (Nepal) made an interesting presentation titled "Status irrigation and the use of NCWRI in Nepal" while Dr. Shu-Yuan Pan (Chinese Taipei Committee) made a good presentation titled "Non-conventional Water Reuse in Agriculture Towards a Circular Water Economy: Perspective and Prospect". Chair appreciated them for making stimulating presentations. Members are encouraged to make a presentation related to the mandate of the group during the meeting.

WG-NCWRI Agenda Item 6: Selection of Vice Chair and Secretary of the WG

23. At the virtual meeting in August 2021, Chair proposed to elect Vice Chair and Sectary of the WG and for this purpose he invited candidates for the two positions. The group may discuss and elect Vice Chair and Secretary during the meeting.

24. In September, Chair sent E-mail to call all members to be as candidates who should prepare personal V.C. sent to Chair. After election with the help of the central office, Vice Chair and Sectary need to be selected.

25. In October virtual meeting, the chair recommended to elect Dr Tapas Biswas from Australia for the position of vice chair. Dr Biswas was requested to make a short remark and subsequently he was appointed as the vice chair of this WG.

WG-NCWRI Agenda Item 7: Any other business

26. **ICID Members' Profile Section:** 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 account and change their password to maintain accuracy. Members are requested to review and update their information using their credentials and help us to maintain accurate information.

27. **Register on World Irrigation Projects (WIP):** ICID has taken an initiative to document the development of irrigation projects in the world by establishing an online Register on "World Irrigation Projects (WIP)". WIP will fulfill 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 Gross 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. Members are also requested to encourage all irrigation project owners, managers, and researchers across the world and especially in our member countries for contributing to the register. This facility is also extended to non-member countries if the information is received from an authorized agency. The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Marrakesh, Morocco after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 29 November 2021.

Annex 1 [Appendix XXV, Item 1]

A. Members and their attendance at 2019 and 2020 meetings

No.	Members	Member from (Year)	2019		2020		Participated virtually in August 2021	Remarks
			Self	Contributed by mail	Self	Contributed by mail		
1.	Dr. Wenyong Wu, Chairman, 2021 (China)	2018	•		•		•	
2.	Dr. (Ms.) Anna Tedeschi (Italy)	2018		•	•			
3.	Prof. 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 Shiati (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.	Secretary General, ICID				# ²		#	
	Permanent Observers							
17.	FAO representative							
18.	ICBA representative (UAE)							

B. New nominations received from the National Committee/ Committee

No.	Name	Country	Remarks
1.	Dr. Ashish Pandey	India	Recommended as member as he participated in the virtual meeting on 05 August 2021
2.	Dr. Sunil D. Gorantiwar	India	Recommended as member as he participated in the virtual meeting on 05 August 2021
3.	Ms. Jigyasha Rai Yangkhurung	Nepal	Recommended as member as she participated in the virtual meeting on 05 August 2021
4.	Dr. Shu-Yuan Pan	Chinese Taipei Committee	Recommended as member as he participated in the virtual meeting on 05 August 2021
5.	Prof. Qi Xuebin	China	Recommended as member, subject to his presence else 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 Participate in research on the development of sewage	Guidelines		Reclaimed water irrigation guideline				

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

