

**AGENDA FOR THE 5TH MEETING OF THE
WORKING GROUP ON LAND DRAINAGE (WG-LDRG)**

05 September 2024, 14:00-15:30 hours (Session I) and 16:00-17:30 hours (Session II)
Sydney, Australia

Strategy Theme: Irrigation and Drainage

Year of establishment: 2020

Completion of the mandate: 2026

Mandate: (a) To promote drainage as part of integrated water resources management. In this regard exchange of information, knowledge and experience among the WG members in order to be up to date with new developments, methods and approaches. Prepare and present reports and/or case studies on recent developments in the countries that are represented in the WG; organize international drainage workshops; (b) To collect and review manuals, guidelines, codes of practice and standards on drainage schemes of various countries and prepare universal draft standards; (c) To promote sustainable approaches for drainage and related projects through a balanced integration of environmental, economic, social and cultural aspects. In this regard nonconventional drainage methods such as bio-drainage, dry-drainage, controlled drainage and reuse of drainage water will be given due attention; (d) To prepare an overview paper on the state of the art on the topic for publication in Irrigation and Drainage (IRD); (e) To hold drainage conferences and workshops with collaboration of NCs and close collaboration to hold two International Drainage workshops (14th and 15th IDW); (f) Collecting data of the World Drained Area and keep it updated through WG members and NCs information according to Goal E, Strategy E5 (Compilation of Global Data Sets on Irrigation and Drainage), Clause 5.3 (Datasets for Drainage Area) of Road Map of ICID Vision 2030.

Website: https://icid-ciid.org/inner_page/146

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

1. At the 74th International Executive Council (IEC) meeting in Vizag (India), a proposal for the restructuring of the Working Groups was discussed and approved. Among the existing 18 working groups, 9 working groups completed their mandate in November 2023. The remaining working groups have been structured into 11 new working groups under four themes: (1) Irrigation and Drainage; (2) Natural Resources; (3) Climate Change and impacts; and (4) Sustainable Development. Under these four themes, the WG-LDRG has been included in theme 1 (Irrigation and Drainage).

2. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held in November 2023. The following new nominations have been received for the membership of the working group:

- Dr. Ming-Che Hu (Chinese Taipei Committee)
- Dr. Yuan-Chien Lin (Chinese Taipei Committee)

3. The group may like to discuss the appointment/ selection/ replacement of the Vice Chair for WG-LDRG as there is no correspondence from him. Chair in consultation with the Vice Chair, Secretary of the WG, 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-LDRG Agenda Item 2: Brief of the virtual meeting organized in 2024

4. The group organized a virtual meeting on 15 February 2024 and discussed various activities being undertaken by the WG as part of the Road Map to ICID Vision 2030, publication of the WG, organization of the workshop, work plan, etc. Minutes of the virtual meetings of all work body have been uploaded on a dedicated webpage - https://icid-ciid.org/inner_page/152. The chair will provide further updates at the meeting.

WG-LDRG Agenda Item 3: Road Map to ICID Vision 2030 - Status of activities on drainage

WG-LDRG Agenda Item 3.1: Progress on publications of WG-LDRG members

5. During the online meeting on 15 February 2024, the Chair Dr. Vlotman informed that 4 country papers on drainage are under preparation viz. Australia (ok), Finland (ok), Japan (ok, Vizag), and Zambia (ok, Vizag²). Mr. Olle Häggblom (Finland) informed the group that he is updating the country paper. Chair raised concern that there is no

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

² See: https://icid-ciid.org/icid_data_web/25CongWorkshop-LDRG.pdf

paper from North and South America. President Hon. Prof. Bart Schultz (The Netherlands) suggested contacting President Hon. Dr. Chandra Madramootoo (Canada) as he has good contacts in America. Chair Dr. Vlotman requested all members present at the meeting to submit their country papers. Chair will provide further updates at the meeting.

6. A publication on dry drainage was expected in Vizag, WG-meeting 7 (ICID meeting no 4) but did not materialise. This activity is now considered to be terminated.

7. Review of country papers (Australia, Finland, Japan, Zambia,)

WG-LDRG Agenda Item 3.2: Work plan of the working group

8. During the online meeting on 15 February 2024, the Chair Dr. Vlotman invited members to share their inputs and comments on the work plan of the group, and names of the lead persons as per the Annex of the Vizag minutes (refer to **Annex 2**). Chair will provide further updates at the meeting.

WG-LDRG Agenda Item 4: Updating database on 'Drained area in the world'

9. During the online meeting on 15 February 2024, the Chair Dr. Vlotman invited members to review and update the database of drained areas available at https://icid-ciid.org/icid_data_web/World-drained-areas.pdf. The working group noted that the tables are very interesting to consultants and more should be done to advertise their existence. Chair will provide further updates at the meeting.

WG-LDRG Agenda Item 5: Updating Multilingual Technical Dictionary (MTD)

10. During the online meeting on 15 February 2024, the Chair invited members to share their views on the issue of updating Multilingual Technical Dictionary (MTD) terms related to the mandate of the WG - <https://icid-ciid.org/mtd/display.php?lang=en>. President Hon. Prof. Bart Schultz informed that the link of the MTD is easily accessible. He further informed that the main language of the MTD is in English and French but it is available for translation in many other languages. The group members may like to discuss updating MTD during the meeting. NB access of MTD page is easy, but search engine is not very friendly; it wants an administrator password. When the chair typed in his old one it did not work and would not allow an update. Tried to find translation for pugging (Vlotman 2024) but flipped to login.

WG-LDRG Agenda Item 6: 14th International Drainage Workshop (IDW) in 2024, Tajikistan

11. The Tajikistan National Committee on Irrigation and Drainage, under the banner of the implementation of the International Decade for Action "Water for Sustainable Development" (2018–2028), organized the 14th International Drainage Workshop from 30 May to 1 June 2024 in Dushanbe, Republic of Tajikistan. The Agency for Land Reclamation and Irrigation organized the event with the support of the Government of the Republic of Tajikistan and international development partners. The theme of the international workshop was "Modernization of irrigation and drainage systems with adaptation for climate change and sustainable development". President Dr. Marco Arcieri represented the event; Secretary General Er. A.B. Pandya and other office bearers of the ICID attended the event. The workshop focussed the attention of the world community on the problems associated with the state of irrigation and drainage systems, and the need for modernization in the face of climate change and food production needs (<https://tajncid.tj/news/14-th-international-drainage-workshop-was-held-in-dushanbe-from-may-30-to-june-1-2024/>).

WG-LDRG Agenda Item 7: ICID Members' Profile Section

12. 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. During the online meeting on 15 February 2024, the chair invited members to review and update their information. NB check when you read this wherever you are, or when in Sydney from 1 – 7 Sep. 2024. For more information, please refer to inside back cover page.

WG-LDRG Agenda Item 8: World Irrigation and Drainage Schemes (WI&DS)

13. 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 the 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, especially in their respective countries to contribute to the register. The review process and other details are outlined on the portal <<https://wip.icidevents.org/>> in detail. NB this should not just be an action item for just the chair of a WG or the National Committee, but all members, observers, etc can be asked to contribute to this activity, while keeping chairs and ICID informed. Once a year a call from ICID to all members could be helpful.

WG-LDRG Agenda Item 9: Any other business (with permission of Chair)

14. **Drainage and Environment:** The Iranian National Committee on Irrigation and Drainage (IRNCID) brought out two volumes on “Drainage and Environment” viz. (1) Drainage and Environment: Pollutants and Drainage Water Receiving Bodies; and (2) Drainage and Environment: Measures to Improve Drainage Water Quality. The first volume offers an in-depth exploration of facts, theories, and methodologies to scrutinize the state of the Karun River, Iran’s largest river, as a case study. The second volume of the book delves into various aspects of wastewater pollutants, soil and water salinity, chemical and animal fertilizers, with a particular focus on nitrogen and phosphorus, and the environmental impacts of these pollutants. A representative from Iran will provide further updates at the meeting. NB Chair did receive an example of text but has not taken further action as of 9/7/24.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Sydney, Australia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 06 September 2024.

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

No.	Members	Member from (Year)	2022		2023		Participated in 2023 virtual meetings	Participated in 2024 virtual meeting	Remarks
			Self	Contributed	Self	Contributed			
1.	Vice President Hon. Dr. Willem F. Vlotman, Chair (Australia)	2022	•	•		•	•		
2.	Dr. Momon Sodik Imanudin, Vice Chairman (Indonesia)	2021	# ³						
3.	Dr. Deepak Khare, Secretary (India)	2021		•			•	•	
4.	Ms. Wang Shaoli (China)	2021		•			•		
5.	Prof. Wu Jingwei (China)	2021		•			•	•	
6.	Dr. Tao Yuan - Young Professional (China)	2021		•			•		
7.	Dr. Luo Wenbing - Young Professional (China)	2021		•			•		
8.	Dr. Hao-Che Ho (Chinese Taipei Committee)	2021		•	#		•	•	
9.	Prof. Cheh-Shyh Ting (Chinese Taipei Committee)	2021							
10.	Eng. Mohamed Saleh El-Basyony (Egypt)	2021							
11.	Eng. Maiada Mohamed Anwar (Egypt)	2021		•					
12.	Eng. Dina Mahmoud Mohamed Ali - Young Professional (Egypt)	2021							
13.	Dr. Gehan Abdel Hakeem Sallam (Egypt)	2021		•			•		
14.	Mr. Mati Tonismae (Estonia)	2021							
15.	Dr. Gurbachan Singh (India)	2021							
16.	Prof. LB Roy – Direct Member (India)	2021	•	•	•		•	•	
17.	Dr. Ratan Chand Jain (India)	2021							
18.	Mr. Ardavan Azari (Iran)	2021		•			•	•	
19.	Mr. Ammar Al-Khafaji (Iraq)	2021					•	•	
20.	Dr. (Ms.) Naoko Koshiyama (Japan)	2021	•	•	•		•	•	
21.	Dr. Natsuki Yoshikawa (Japan)	2021					•		
22.	Ir. Mohd Anuar Musardar bin Yusoff (Malaysia)	2021		•			•		
23.	Mr. Fazal Rehman Kashif (Pakistan)	2021		•					
24.	Dr. Yuri Yanko (Russia)	2021							

³ Through representation

No.	Members	Member from (Year)	2022		2023		Participated in 2023 virtual meetings	Participated in 2024 virtual meeting	Remarks
			Self	Contributed	Self	Contributed			
25.	Prof. Aidan Senzanje (South Africa)	2021		•			•	•	
26.	Dr. Bancha Kwanyuen (Thailand)	2021		•			•	•	
27.	Mr. Ekasit Kositsakulchai (Thailand)	2021		•			•	•	
28.	Dr. Mangliyev Abdukhalil Abdusattorovich (Uzbekistan)	2021							
29.	Dr. Evan Wilfred Christen (Australia)	2022	•						
30.	Mr. Olle Häggblom (Finland)	2022					•	•	
31.	Engr. Asghar Ali Halepoto (Pakistan)	2023							Provisional Member
32.	Engr. Abdul Haleem Memon (Pakistan)	2023							Provisional Member
33.	Mr. Sharif Mahmudov (Tajikistan)	2023						•	
34.	Dr. Bilge Omar (Turkey)	2023							
35.	Mr. Izzet Nazmi Eyüboğlu (Turkey)	2023							
36.	Mr. Davies Mulenga Sampa (Zambia)	2023							
	Observer								
	Engr. Ghulam Rasool (Pakistan)	2023							
	Permanent Observer								
	Dr. Sasha Koo-Oshima (FAO)	2022					•		

B. New nominations received from the Committee

Sr. No.	Name	Country/ Organization	Remarks
1	Dr. Ming-Che Hu	Chinese Taipei Committee	Recommended as a member, subject to his presence else provisional member
2	Dr. Yuan-Chien Lin	Chinese Taipei Committee	Recommended as a member, subject to his presence else provisional member



THREE-YEAR ROLLING PLAN OF THE WORKING GROUP ON LAND DRAINAGE

To be updated after every WG-LDRG meeting (virtual, * in-person meeting)

Particulars/Mandate/Subject	Actor(s)	2023 Meeting no	2024 Meeting no	2025 Meeting no
Drained Areas in the World	Central Office	4, 6	8, 10*	12, 14*
Multi Technical Dictionary	Central Office	5, 7*	9, 11	13, 15
Presentations during WG-LDRG meetings	Members and Permanent Observers, Chairman, and Central office to follow up	7* - 74th IEC, Vizag	10* - 75th IEC, Sydney. Sep 01, 2024 - Sep 07, 2024	14* - 76th IEC Kuala Lumpur. Sep 07, 2025 - Sep 13, 2025
Country papers: - Finland - Australia - ...	Members and Observers: - Olle Häggblom - Willem Vlotman - ...	4, 5, 6, 7*	8, 9, 10*, 11	12, 13, 14*, 15
Drainage Workshop Vizag	Willem F. Vlotman, Central Office	7* Vizag**	-	-
International Drainage Workshop IDW14 Tajikistan	Mr. Sharif Mahmudov (Dr. Bahrom Caforzoda, Secretary TajNCID)	5, 6, 7* (Vizag)	9* (IDW14)	-
Future IDWs; i.e. IDW15, etc.	Members and Permanent Observers*	-	10*	14*
Bankless Irrigation and effect on drainage; discussion paper and journal paper	Evan Christen	6	10*	
Paper on dry drainage	Jingwei Wu, Wuhan University	6, 7****		
Capiphone drain, information paper	Willem F. Vlotman, Geoffrey Fenn	7*	10*	
Paddy field drainage, information paper	Dr. (Ms.) Naoko Koshiyama (Japan)	7*		
Regulated drainage of peat lands	Olle Häggblom, Bart Schultz	7***	8	
Rock drainage	Peter Lee	6 ✓		
Hydroluis drain	Dr. (Ms.) Bilge Omar and others	7* - 74th IEC, Vizag		

* = in person meeting

** = proceedings drainage workshop: https://icid-ciid.org/icid_data_web/25CongWorkshop-LDRG.pdf

*** = to be followed up with European Working Group

**** = not received to date 9/7/24; activity to be removed.

