

**Minutes of the Zoom meeting of the
WORKING GROUP ON LAND DRAINAGE (WG-LDRG)
17 May 2023: 14:30 hours (IST)
(WG Meeting No. 5)**

Year of Establishment: 2020

Completion of the Mandate: 2026

Members present: (1) VPH Dr. Willem Vlotman, Chair (Australia); (2) Dr. (Ms.) Bilge Omar (Turkey); (3) Mr. Olle Häggblom (Finland); (4) Prof. Jingwei Wu (China); (5) Dr. Bancha Kwanyuen (Thailand); (6) Dr. Natsuki Yoshikawa (Japan); (7) Dr. (Ms.). Naoko Koshiyama (Japan); (8) Mr. Ekasit Kositsakulchai (Thailand); (9) Dr. Yuan Tao - Young Professional (China); (10) Prof. LB Roy – Direct Member (India); (11) Mr. Sharif Mahmudov (Tajikistan); (12) Engr. Mohd Anuar Musardar Bin Yusoff, (Malaysia); (13) Prof. Aidan Senzanje (South Africa); (14) Ms. Wang Shaoli (China); (15) Mr. Davies Mulenga Sampa (Zambia); (16) Er. Harish Kumar Varma, Executive Director, ICID Central Office (India).

Office Bearers present: President Hon. Prof. Dr. Bart Schultz (The Netherlands).

1. Approval of minutes WG Meeting no 4

- 1.1. There were no remarks/corrections to the minutes of meeting no 4.

2. Membership

The following new members were welcomed and introduced themselves later in the meeting. (NB next Zoom midway through the meeting let everybody introduce themselves!).

- 2.1. Tajikistan – Mr. Sharif Mahmudov
- 2.2. Zambia – Mr. Davies Mulenga Sampa
- 2.3. Finland – Olle Häggblom

3. Three year work plan

- 3.1. Based on the last available rolling workplan(s) an Excel table has been prepared and is attached as **Annex 1**. All participants should give their inputs and commitments to actions indicated as well as (!) propose work items, with lead persons indicated. At this stage of the meeting, nobody had any suggestions, but later during the meeting topics/work items were identified. The table has been updated accordingly.

4. Publications in the pipeline (in the drainline)

- 4.1. Country papers:
 - 4.1.1. Finland (Olle Häggblom); received.
 - 4.1.2. Australia (Willem Vlotman); in progress
 - 4.1.3. All participants of Meeting No 5 were asked to prepare and/or identify persons who could assist in preparing country papers.
- 4.2. Vizag drainage workshop, abstracts received to date:
 - 4.2.1. Design Standards for Drainage and Flood Protection of the Polders in the World. Bart Schultz gave an update on his work and all can follow progress on the website: [Polders Website](#).
 - 4.2.2. Jingwei Wu paper on dry drainage; he indicated he will submit a paper in June 2023.

- 4.2.3. An introduction to Geosynthetic Cementitious Composite Mats – a new approach to lining of drainage canals. Simon Lester and William Crawford.
- 4.2.4. Natural capacity of un-dredged earth drainage ditches in treatment of drainage water (case study: Guilan, Iran). Sina Kosari et al.

5. Additional WG-LDRG activities

- 5.1. Dry drainage. A paper will be submitted by Jingwei Wu of Wuhan University;
- 5.2. Capiphone drain, an information paper will be prepared by Willem Vlotman (AUS);
- 5.3. Hydroluis drain. Dr. (Ms.) Bilge Omar of Turkey attended the meeting but could not provide more information at this moment. She will try to find out more.
- 5.4. Hydro-rock drainage, Peter Lee (UK) no further information available. The chairman Willem Vlotman will contact Peter Lee.
- 5.5. Polders in the World, Bart Schultz (NL) gave a brief overview of the status. The link to the website is provided. [Polders Website](#). Bart believes he has most polders in the world identified and he will now try to get more technical data on each. Bart asked all members of the WG-LDRG to assist with this activity; i.e. information on drainage AND flood protection of those areas. Polders in Australia are along the Murray-Darling Basin; in the downstream River. A polder is an area with an artificially separate water regime compared to the surrounding land. The highest polder is in Mexico City at 2,300m +MSL and the lowest in Israel at 200m -MSL.
- 5.6. Bankless channels, Evan Christen (AUS) is currently on a mission in Uganda, but he had indicated to the chairman that he has collected a number of papers on the topic. Hopefully, he will be able to provide more information. Dr. (Ms.). Naoko Koshiyama (Japan) is interested in the subject and would also like to receive more information on the subject. The chairman will convey this request to Dr. Evan Christen (Australia).
- 5.7. Paddy field drainage, Dr. (Ms.) Naoko Koshiyama (Japan) promised an information paper on this topic.
- 5.8. IDW14, Tajikistan National Committee. Mr. Sharif Mahmudov (Tajikistan) informed the group on the status of Organising IDW14. Tentatively dates in May or June 2024 are considered. The IDW14 organising committee is concerned about the competition for attendees of the World Water Forum to be held in May 2024 in Indonesia. Some of us don't think that will be a problem as the target group/attendees of WWFs are very different from ICID. The Organising Committee is currently in talks with Tajikistan Government and a website dedicated to the event is being prepared.
- 5.9. Drained areas in the world, ICID HQ; ICID has sent requests to National Committees. The latest compilation will be presented in ICID's annual report, which is being prepared currently.
- 5.10. Multi Technical Dictionary (MTD), ICID HQ: Mr. Harish Varma (ICID) requested that WG-LDRG assign one of its members to attend MTD Taskforce meetings (during annual ICID meetings). The Chair asked if the MTD was online. Yes, it is available at [MTD-Website](#).

6. Any other business/topics/items raised.

- 6.1. Regulated drainage of peat lands. Olle Häggblom informed the group on work in Finland with regard to greenhouse emissions. He will provide more information in future meetings. He cannot attend the meeting in Vizag on 2 November 2023. Bart Schultz mentioned that land subsidence due to drainage of peatlands is a more serious problem (i.e. in Indonesia it is 1 cm/yr, in hot climates it can be 10-15cm/yr, and in California, USA 4-5 cm/yr.) The European WG has been working on this topic. Olle Häggblom may follow-up with this group; his predecessor Helena Aijo was a member of this working group.
- 6.2. Group picture of the Zoom meeting is given as **Annex 2**.

- 6.3. Next Zoom meeting will be in August 2023.
- 6.4. Chairman thanked attendees for their dedication to attending the WG-LDRG Zoom meetings: 2 attendees were attending from their car! Please do only when it can be done safely! The meeting ended 19:20 AEST (15:20 IST).

Three-year rolling workplan WG-LDRG (as updated after this meeting):



Three-year rolling workplan WG-LDRG

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 - ...	Nat. Com., Members and Observers: - Olle Häggblom - Willem Vlotman, IAL - ...	4, 5, 6, 7 - M5 rec'd - M7	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	tbd		
Hydroluis drain	Dr. (Ms.) Bilge Omar and others	tbd		

* To be replaced with actual name(s) of lead person(s) as soon as known.

** M6 in August 2023, M7 2 Nov 2023, M9 IDW14 May 2024, M10 Sep 2024

*** Coordinate with European WG.

PICTURE OF THE WG-LDRG ZOOM MEETING, 17 MAY 2023, 1430 IST

Zoom Meeting

Recording...

Participants (17)

Find a participant

- IC ICID CIID (Host, me)
- A Anuar
- DA Dr. A. Senzanje
- IK ICID-H K Varma
- WV Willem Vlotman
- OH Olle Häggblom - Finnish Field Drain...
- BK bancha kwanyuen
- BS Bart Schultz
- BO Bilge OMAR DSI Turkey
- EK Ekasit K - Kasetsart U
- JW Jingwei Wu, Wuhan Univ
- NK Naoko Koshiyama (JAPAN)
- NY Natsuki Yoshikawa
- PL Prof. L. B. Roy
- SW shaoli wang
- SM Sharif Mahmu... [Ask to Unmute](#)

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Haze

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ENG IN

15:19
17-05-2023