

**MINUTES OF THE VIRTUAL MEETING OF THE
WORKING GROUP ON ENVIRONMENT (WG-ENV)**

13 September 2023, 14:00 hours (IST)

Strategy Theme: Basin

Presented by the Vice Chair

Year of Establishment: 2015

Completion of the Mandate: 2022

Mandate: (a) To provide guidance to policy makers, planners, designers, and managers in the irrigation and drainage sector on the following environmental aspects of irrigation and drainage systems: (i) physical, (ii) chemical, (iii) ecological, (iv) socio-economic, and (v) cultural; (b) To address concerns to the effects on local, regional and global common goods, such as climate, biodiversity and human health; (c) To work towards the management of a sustainable environment, through adapted practices, adequate policies and institutions, maximizing positive and minimizing adverse effects of irrigation and drainage systems.

Members present: (1) Vice Chair Dr. Michael van der Laan (South Africa), (2) Secretary Dr (Ms.) Seija Virtanen (Finland), (3) Dr. (Ms.) Aynur Fayrap (Turkey), (4) Dr. Yutaka Matsuno (Japan), (5) Dr. Shihong Yang – Young Professional (China), (6) Dr. Yuanyuan Zha (China), (7) Maxancki IO.A, (8) KpnHa BOhapNK, (9) Dr. Ragip Balati (Turkey), (10) Dr. (Ms.) Irene Bondarik (Russia), (11) Er. B.A. Chivate, Director (Technical) represented Secretary General Ashwin Pandya.

Website: http://icid-ciid.org/inner_page/108

WG-ENV Minutes Item 1: Action taken report by Vice Chair¹

1. The Vice Chair Michael van der Laan welcomed the members and presented the report on the actions taken on the decisions and proposals of the working group at its last meeting.
2. In March 2023, Prof. Charlotte de Fraiture, Chair, the Netherlands National Committee (NETHCID) informed the ICID Central Office about the discontinuation of the membership with ICID due to financial problems.
3. In March 2023, the ICID Central Office received the nomination of Mrs. Shweta Tyagi from India Water Foundation – Direct Member of ICID (India) for the working group membership. Similarly, in December 2022, the Turkish National Committee (TUCID) nominated Dr. Ragip Balatli and Mr. Melih Kayal for membership of the group. The nominations were accepted for the membership of the working group or for the new working group.
4. Mr. Mohammad Samiul Ahsan Talucder - Direct Member (Bangladesh); Dr. Ming-Kai Hsieh (Chinese Taipei Committee); Mr. Usamah Hashim Witwit (Iraq); Dr. Muhammad Basharat Chaudhry (Pakistan); Engr. Reynaldo L. Baloloy (Philippines); Dr. Kwang-Sik Yoon (South Korea); Dr. Choi, Joong-Dae (South Korea); Eng. (Ms.) P.M. Jayadeera (Sri Lanka); and Mr. Akhmadjonov Vokhidjon Mukhammedjonovich (Uzbekistan) have not contributed to the activities of the working group during the last two years.
5. 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 electronic version for the latest list*). New nominations, if any, for the membership received, will be dealt with suitably after the meeting.

WG-ENV minutes Item 2: Brief of the virtual meetings organized in 2023

6. With the initiative of Dr. (Ms.) Seija Virtanen, the group organized the second virtual meeting in September 2023. During the virtual meetings, the Vice Chair discussed various activities being undertaken by the WG as part of the Road Map to ICID Vision 2030, the progress of the work plan, etc. Minutes of the virtual meetings of all work bodies have been uploaded on a dedicated webpage – https://icid-ciid.org/inner_page/152. The secretary will provide further updates at the meeting.
7. The group discussed the manuscript to be finalized. It was proposed that it would be submitted to the Journal of Irrigation and Drainage before the conference at Vizag. Before that, it will be asked to send to the Vice Chair a photo or a figure concerning each case study. One column will be added to Table 1 comprising the benefits for farmers or society. Table 2 will be examined thoroughly and more text has to be written for the Discussion. The updating of the manuscript will be done online.

WG-ENV Minutes Item 3: Road Map to ICID Vision 2030 – Status of future activities of the group

8. At the Morocco meeting, the working group discussed the Road Map to ICID Vision 2030 keeping in view the mandate and availability of resources for achieving various activities (refer to **Annex 2**). During the meeting, the Secretary informed the present situation of the review paper which is unchanged due to the tight timetable of the participants.

WG-ENV Minutes Item 3.1: Publication of the working group

9. During the Morocco meeting, the Secretary briefed the group members about the virtual meeting held in May 2021 wherein the group discussed widely the format of the publication and whether it should be organized based on ecosystem services or measures such as irrigation, paddy fields, controlled drainage etc. During the meeting, it was decided that a discussion paper would be written first and after that, a specific publication would be proposed to the Journal Irrigation and Drainage. It was also proposed that the draft discussion paper be written by the Chair, Vice-Chair, and Secretary, Dr. Yutaka Matsuno, Dr. Aynur Fayrap, and Dr. Carl Walters agreed to contribute to the writing with the help of group members. The group also noted that Dr. Michael van der Laan (South Africa) has received 9 case studies for publication.

10. At the Morocco meeting, it was also proposed to create and share the link of the DROPBOX for uploading documents. The DROPBOX can be accessed easily for comments and modifications of the draft paper. Accordingly, in January 2022, the ICID Central Office created and shared the link of the DROPBOX for sharing the documents - <https://www.dropbox.com/sh/8qiyu8il1fnmun3/AAW33FsYB7rNOI9FqJkav4aa?dl=0>.

11. In May 2022, Secretary Dr. Seija Vitonen prepared and shared the draft version of the manuscript “Analysis of Ecosystem Services Provided by Irrigated and Controlled Drained Agriculture: A Global Perspective” to the Chair and Vice Chair for their comments and suggestions. In order to complete the manuscript, Dr. Seija compiled the draft version of the manuscript and rearranged the case studies according to their type of ecosystem services based on the compilation of the case studies by Michael a year ago. In addition, Dr. Seija wrote a draft for the introduction, entries for two chapters, and some suggestions for Material and Methods and Discussion. Also arranged all references into alphabetic order and shared the manuscript in DROPBOX for access by all members. The group member may like to discuss and contribute to the manuscript during the meeting.

12. In March 2023, Dr. Michael sent the manuscript titled “Analysis of ecosystem services provided by irrigated and controlled drained agriculture: A contemporary global perspective” to Dr. Giulio and informed him that he is in the process of finalizing the same. Dr. Michael also informed that he will prepare an abstract of the paper and submit it for ICID India meetings in 2023, with the ultimate aim of getting the work published in *Irrigation and Drainage*. The Vice Chair may like to provide further updates at the meeting.

WG-ENV Minutes Item 4: Updating Multilingual Technical Dictionary (MTD)

13. During the Morocco meeting, it was proposed that Dr. Yutaka Matsuno request Prof. Hatcho to share the present version of the Multilingual Technical Dictionary (MTD) with the members of the WG-ENV for updating. Accordingly, the ICID Central Office requested Dr. Yutaka Matsuno to get in touch with Prof. Hatcho for the latest version of MTD however, the response is awaited. Dr. Yutaka Matsuno will provide further updates at the meeting.

WG-ENV Minutes Item 5: Dissemination - Sharing documents on the website

14. During the Morocco meeting, the group members noted the new dedicated webpage of the WG - https://icid-ciid.org/inner_page/108 which comprises a new membership list, the agenda, and minutes of the meeting as well as presentations made during the meeting. Secretary Dr. Seija Virtanen encouraged members to share information, knowledge & experience and provide papers, presentations, articles, reports, etc. related to any outcome of the research or development efforts in the respective fields for uploading on the WG website for wider dissemination.

WG-ENV Minutes Item 6: ICID Members' Profile Section

15. 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. In January 2023, the ICID Central Office requested all members of the group to review and update their information using their credentials.

WG-ENV Minutes Item 7: World Irrigation and Drainage Schemes (WI&DS)

16. 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. The 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.

WG-ENV Minutes Item 8: Any other business

17. **Restructuring of the Working Group:** At the 73rd International Executive Council (IEC) meeting in Adelaide, it was decided by the IEC to look into the possibility of integrating WGs of similar/ close mandates. With consultation of PCTA, PCSO, the Secretary General of ICID, and the ICID Central office, a tentative new structure was developed. Among the existing 18 groups, nine of them will complete their mandate in November 2023. The remaining working groups are proposed to be structured into 11 new working groups under four themes: (1) Irrigation and Drainage Water Management (Long-term activities); 2. Natural Resources Management (Medium-term activities); 3. Water Management under Climate Change and Water Scarcity (Medium to Long-term Activities); 4. Sustainable Development and Management: Capacity Building, History, Institutional and Socio-Economical Aspects of Irrigation and Drainage Schemes. (Long-term activities). Proposed restructuring and new structure of the WGs will be deliberated during PCTA and IEC meetings of the 74th IEC meetings to be held from 1-8 November 2023 at Vizag, India. Under these four themes, the WG-ENV has been included in theme 1 (Irrigation and Drainage Water Management) and proposed to be integrated with WG-NCWRI.

18. The merging of WG-ENV to WG-NCWRI was discussed. Dr. Matsuno proposed that the name of the new WG-NCWRI should comprise of the word environment, because that is a positive word and illustrates well what the WG-ENG has done for years. The group proposed that the focus would be in line with the mandate of the WG-ENV. The name and focus of the two other WGs were asked for ICID head office. The WGs will be informed at meeting in Vizag to discuss a new name and mandate.



Membership of the group at 2021 and 2022 meetings

Sl. No.	Members	Member from	2021		2022		Remarks
			Self	Contributed	Self	Contributed	
	Prof. Dr. (Ms.) Charlotte de Fraiture, Chair (2016) (Netherlands)	2015		•			Withdrawn its membership
	Dr. Michael van der Laan, Vice Chair (South Africa)	2018		•		•	
	Dr. Seija Anneli Virtanen, Secretary (2018) (Finland)	2015	•	•		•	
	Dr. Choi, Joong-Dae (South Korea)	2015					No contribution, recommended for discontinuation after the India meeting if no contribution
	Dr. Aynur Fayrap (Turkey)	2015		•	•		
	Ir. Mohd Azmi Ismail (Malaysia)	2015	•		•		
	Dr. Muhammad Basharat Chaudhry (Pakistan)	2015					No contribution, recommended for discontinuation after the India meeting if no contribution
	Dr. Fuqiang Tian (China)	2015	•				
	Mr. Mohammad Samiul Ahsan Talucder - Direct Member (Bangladesh)	2015					No contribution, recommended for discontinuation after the India meeting if no contribution
	Dr. Yury Anatolyevich Mozhaitskii (Russia)	2016	•				
	Eng. (Ms.) P.M. Jayadeera (Sri Lanka)	2016					No contribution, recommended for discontinuation after the India meeting if no contribution
	Mr. Usamah Hashim Witwit (Iraq)	2016					No contribution, recommended for discontinuation after the India meeting if no contribution
	Prof. (Ms.) Eunmi Hong (South Korea)	2018				•	
	Dr. Ming-Kai Hsieh (Chinese Taipei Committee)	2018					No contribution, recommended for discontinuation after the India meeting if no contribution
	Mr. Akhmadjonov Vokhidjon Mukhammedjonovich (Uzbekistan)	2019					No contribution, recommended for discontinuation after the India meeting if no contribution
	Mr. Carl Walters (Australia)	2019		•			
	Dr. Hao-Che Ho (Chinese Taipei Committee)	2019	•		•		
	Engr. Reynaldo L. Baloloy (Philippines)	2019					No contribution, recommended for discontinuation after the India meeting if no contribution
	Dr. Yutaka Matsuno (Japan)	2020	•				
	Dr. Kwang-Sik Yoon (South Korea)	2020					No contribution, recommended for discontinuation after the India meeting if no contribution
	Dr. Giulio Castelli (Italy)	2020	•	•		•	
	Prof. Feng Qian (China)	2021	•				
	Dr. Zha Yuanyuan - Young Professional (China)	2021				•	
	Dr. Yang Shihong - Young Professional (China)	2021	•				
	Dr. Javaid Hussain (Pakistan)	2022					
	Secretary General, ICID		# ¹		#		
	Permanent Observer						

¹ Through representation

i)	Dr. Sasha Koo-Oshima (FAO)	2022					
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A. New nominations received from the National Committee/ Direct Member

Sl. No.	Name	Country/ Organization	Remarks
1.	Mrs. Shweta Tyagi, Direct Member – India Water Foundation	India	Recommended as a member, subject to her presence else a provisional member
2.	Dr. Ragip Balatli	Turkey	Recommended as a member, subject to his presence else a provisional member
3.	Mr. Melih Kayal	Turkey	Recommended as a member, subject to his presence else a provisional member

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes / Outputs	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021	Milestone for Year 2022
Goal A: Enable higher crop productivity with less water and energy							
A6. Strategy: Improving performance of irrigation and drainage systems	6.2 Investigating and documenting positive and negative environmental impacts of irrigation and drainage systems also taking ecosystem services of aquacultures into account.	Guidelines / Case Studies		Structure for review manuscript on ecosystem services of irrigation and drainage	Workshop on ecosystem services of irrigated cropping systems	Published paper on ecosystem services of irrigated cropping systems	Published paper on ecosystem services of irrigated cropping systems
	6.6 Improving communication among country members between annual ICID meetings	Online			1 x WebEx meeting	1 x WebEx meeting	

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

