

**AGENDA FOR THE 4TH MEETING OF THE
WORKING GROUP ON ENVIRONMENT (WG-ENV)**

5 September 2019, 09:00-11:00 hours (Session I) and 11:15-13:15 hours (Session II)
Bali, Indonesia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2021

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.

Website: https://www.icid.org/wg_env_new.html

WG-ENV 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 meeting held at Saskatoon in August 2018.

2. ICID Central Office vide e-mail of 19 November 2018 to all Chairs/ Vice Chairs/ Secretaries suggested to make full use of web-ex platform for virtual meeting so as to ensure regular contribution from the WG members as well as discuss and initiate follow-up actions emerging from the minutes of the previous WG meeting and review the progress of the action points. In order to organize the WebEx Meetings, Webinars and e-Discussions, Chair of the workbodies were requested to send the 'Expression of Interest' to initiate the processes.

SUPP: Mr. Clarke Ballard (Australia) vide his email of 3 August 2019 has informed that due to his commitments to some other activities, he may be replaced by Mr. Carl Walters. Accordingly, ICID Central Office has requested Irrigation Australia's Committee on Irrigation and Drainage (IACID) to endorse the nomination however, response is awaited. Representative from IACID may apprise the WG at the meeting.

3. The Uzbek National Committee (UzNCID) has nominated Akhmadjonov Vokhidjon Mukhammedjonovich for the membership of the working group. Dr. Choi, Joong-Dae (Korea); Dr. Muhammad Basharat Chaudhry (Pakistan); Mr. Mohammad Samiul Ahsan Talucder (Bangladesh) as Direct Member; Dr. Fuqiang Tian (China); and Eng. (Ms.) P.M. Jayadeera (Sri Lanka) have not contributed to the activities of the group during the last two years. They are recommended to be discontinued and new members would be invited from these National Committees as well as other NCs. Chair in consultation with Vice Chair, Secretary 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 will be dealt suitably after the meeting.

SUPP: Ms. Portia S. Angulo from Philippines National Committee (PNC-ICID) vide email of 29 August 2019 has nominated Engr. Reynaldo L. Baloloy (Philippines) for the membership of the working group. The group may like to consider the nomination at the meeting.

WG-ENV Agenda Item 2: Road Map to ICID Vision 2030 – Status of future activities of the group

4. During Saskatoon meeting, WG reviewed the Action Plan for WG-ENV and updated the same keeping in view the mandate and availability of resources for achieving various activities. The milestones were decided and updated by the WG in the action plan (refer **Annex 2**). ICID Central Office has requested members to provide suggestions and populate **Annex 2**. The group may like to discuss the action plan and update the same.

WG-ENV Agenda Item 2.1: Publications of the working group

5. At Saskatoon, the group noted that the WG document titled "Assessing the environmental impacts and the sustainability of irrigation and drainage systems: the potential contribution of Life Cycle Analysis" by Dr. Sylvain Perret (France) was now available at http://www.icid.org/wg-env_rep_may2018.pdf. During the meeting, it was

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

decided by WG to collect the case studies concerning the “*Positive Ecosystem Services from Irrigation and Drainage Systems*” which may be further developed into ICID technical paper and/or uploaded on a WG website.

6. In April 2019, Dr. Michael van der Laan (South Africa) has provided his comments on the document titled 'Analysis of ecosystem services provided by irrigated agriculture'. Dr Michael also proposed the following topics for discussions viz. (a) Flood control in Nepal, (b) Cape Town wine industry eco-tourism, (c) Filtration of water rich in nitrates e.g. Pretoria, South Africa, (d) Irrigation with acid mine drainage, (e) 'Rice paddy air-conditioning' in Japan.

7. In response to Dr Laan’s suggestion, Dr Seija Virtanen (Finland) has informed that drainage is always needed in cultivated fields since there is a surplus water in Finland during spring and autumn. Dr Seija has also suggested the following topics for consideration by the group: (a) Sub-irrigation and controlled drainage to mitigate acid discharge from acid sulfate soils, (b) Controlled drainage an option to decrease carbon loss from peat fields. Dr. Seija has informed that due to some reason, she cannot take part in the Bali meeting. Chair will provide further updates at the meeting.

WG-ENV Agenda Item 3: Updating Multilingual Technical Dictionary (MTD)

8. During Saskatoon meeting, WG noted the updates provided by Prof Hatcho (Japan) and suggestions provided by Ms. Seija Virtanen (Finland) which are now being forwarded to TF–MTD for further necessary actions. To enrich the MTD further, ICID Central Office has requested members of the WG to further updating the terms, if any, related to the scope of the WG. Chair will provide further updates at the meeting.

WG-ENV Agenda Item 4: Dissemination - Sharing documents on website

WG-ENV Agenda Item 4.1: Website of the group

9. The website of the working group <http://wg-env.icidonline.org/> was updated with new membership list, agenda, minutes, events, etc. ICID Central Office has requested members to provide the interesting articles/ papers/ presentations/ documents related to the activities of the group for uploading on the website.

WG-ENV Agenda Item 4.2: Webinar/ Web based seminar

10. At Saskatoon meeting, the group decided to organize a virtual WebEx meeting concerning the case studies on the “*Positive Ecosystem Services from Irrigation and Drainage Systems*”. ICID Central Office has requested the Chair to fill-up the ‘Expression of Interest’ for organization of the WebEx meeting and/or webinar. The members may discuss the issue further during the meeting.

WG-ENV Agenda Item 5: Workshop to be organized by the working group

11. During Canada meeting, workshop was not organized by the WG due to short time and large number of parallel sessions at Saskatoon. It was, therefore, proposed to organize a workshop during the 70th IEC meeting in September 2019 in Bali, Indonesia. In this regard, ICID Central Office has approached the Chair and requested to organize the workshop jointly with other working groups and fill-up the ‘Expression of Interest’ for organization of the workshop. The group may like to discuss about the organization of the workshop at the meeting.

WG-ENV Agenda Item 6: International Conference on “Promoting sustainable paddy farming to achieve the SDGs”, 20-22 November 2018, Nara City, Japan - Feedback

12. The International Society of Paddy and Water Environment Engineering (PAWEES) in collaboration with International Network for Water and Ecosystem in Paddy Fields (INWEPF) organized the “PAWEES-INWEPF International Conference 2018” from 20-22 November 2018 in Nara city, Japan. PAWEES organized the main technical session entitled “Smart Management of Land, Water and Environment”, divided into three themes namely, (i) Water and Soil Management (ii) Disaster Management and Adaptation; and (iii) Regional Resource Management and Rural Planning. VP Dr. Marco Arcieri, Secretary General (ITAL-ICID) was invited as a speaker and gave a presentation on “Rice cultivation in Italy under the threat of climate change.” Besides the workshop, Prof. Nobumasa Hatcho (Vice Chair-WG-ENV) chaired the INWEPF Steering Meeting and policy and technical sessions. Later a presentation ceremony for the four ICID World Heritage Irrigation Structures (WHIS), presented to Japan in 2018, was organized during the Nara conference. The Kurokawa-Shirakawa Land Improve District introduced the Shirakawa Basin Irrigation System, one of the four registered WHIS, outlining its history, technical features and socioeconomic aspects of the irrigation system.

WG-ENV Agenda Item 7: Any other business



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Bali, Indonesia after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 6 September 2019.

A. Membership of the group at 2017 and 2018 meetings

Sl. No.	Members	Member from	2017		2018		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Prof. dr. (Ms.) Charlotte de Fraiture, Chair (2016) (Netherlands)	2015	•	•	•	•	
2.	Dr. Michael van der Laan, Vice Chair (South Africa)	2018			•	•	
3.	Dr. Seija Virtanen, Secretary (2018) (Finland)	2015	•	•	•	•	
4.	Prof. N. Hatcho (Japan)	2015	•	•	•	•	
5.	Dr. Choi, Joong-Dae (Korea, Rep. of)	2015					No contribution during last two years. Recommended for discontinuation
6.	Dr. Aynur Fayrap (Turkey)	2015				•	
7.	Ir. Mohd Azmi Ismail (Malaysia)	2015	•			•	
8.	Dr. Muhammad Basharat Chaudhry (Pakistan)	2015					No contribution during last two years. Recommended for discontinuation
9.	Dr. Fuqiang Tian (China)	2015					No contribution during last two years. Recommended for discontinuation
10.	Mr. Mohammad Samiul Ahsan Talucder - Direct Member (Bangladesh)	2015					No contribution during last two years. Recommended for discontinuation
11.	Dr. Yury Anatolyevich Mozhaiskii (Russia)	2016	•		•		
12.	Eng. (Ms.) P.M. Jayadeera (Sri Lanka)	2016					No contribution during last two years. Recommended for discontinuation
13.	Mr. Usamah Hashim Witwit (Iraq)	2016		•		•	
14.	Prof. (Ms.) Eunmi Hong (Korea, Rep. of)	2018			•	•	
15.	Dr. Ming-Kai Hsieh (Chinese Taipei)	2018			•		
16.	Secretary General, ICID		# ²				

B. New nomination received from the National Committees

No.	Name	Country	Remarks
1.	Akhmadjonov Vokhidjon Mukhammedjonovich	Uzbekistan	Recommended as member, subject to his presence else provisional member
2.	Mr. Carl Walters	Australia	Formal endorsement from IACID is awaited
3.	Engr. Reynaldo L. Baloloy	Philippines	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 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
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					
	6.6 Improving communication among country members between annual ICID meetings	Online					

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

