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Minutes

**73rd Meeting of International Executive Council (IEC)
and**

Pre-Council Meetings of Workbodies

3-10 October 2022, Adelaide, Australia

International Commission on Irrigation and Drainage (ICID)

December 2022

Minutes of the 73rd Meeting of the International Executive Council (IEC) of ICID

3-10 October 2022, Adelaide, Australia

Opening Plenary (First Session): 06 October 2022, 08:45 – 10:30 hours

Second Session: 10 October 2022, 08:45 – 13:00 hours

Third Session: 10 October 2022, 14:00 – 18:00 hours

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List of Abbreviations

| | | | |
|-----------|--|-----------|--|
| ABID | Brazilian National Committee, ICID | DSI | General Directorate of State Hydraulic Works (Turkey) |
| AC-IRPID | International Research Program for Irrigation and Drainage: Advisory Committee | EB-JOUR | ICID Journal Editorial Board |
| ADB | Asian Development Bank | ENCID | Egyptian National Committee on Irrigation and Drainage |
| AERYD | Spanish Association on Irrigation and Drainage | ERWG | European Regional Working Group |
| AFEID | Association Française pour l'Etude des Irrigations et du Drainage | ES | Executive Secretary |
| AFGICID | Afghanistan National Committee, ICID | ESO | European Standard Organisation |
| AFRWG | African Regional Working Group | ESTICID | ICID National Committee of Estonia |
| AIF | Asian Irrigation Forum | ETCID | Ethiopian Committee on Irrigation & Drainage |
| AMCOW | African Ministers' Council on Water | FAO | Food and Agricultural Organization |
| AMID | Association Malienne des Irrigations et du Drainage (Mali National Committee) | FIJICID | Fiji National Committee on Irrigation and Drainage |
| AMRWG | American Regional Working Group | FINCID | Finnish National Committee on Irrigation and Drainage |
| ANAFIDE | Association Nationale des Améliorations Foncières de l'Irrigation, du Drainage et de l'Environnement | GECID | German National Committee of ICID |
| ANCID | Austrian National Committee on Irrigation and Drainage | GFCS | Global Framework for Climate Services |
| ANID | Association Nigérienne pour l'Irrigation et le Drainage | GRCID | Greek National Committee, ICID |
| ART | Article | GUCID | Guyana National Committee, ICID |
| ARTF-CC | Asian Regional Task Force on Climate Change and Irrigation | GWP | Global Water Partnership |
| ASRWG | Asian Regional Working Group | HIS | Heritage Irrigation Structures |
| ATID | L'Association Tchadienne pour l'Irrigation et le Drainage | Hon. | Honoraire |
| AWC | Arab Water Council | HUCID | Hungarian National Committee, ICID |
| AWF | African Wildlife Foundation | IACID | Irrigation Australia's Committee on Irrigation & Drainage |
| AWM | Agricultural Water Management | IAL | Irrigation Australia Limited |
| BANCID | Bangladesh National Committee of ICID | ICBA | International Center for Biosaline Agriculture |
| BPNA | Best Performing National Committee Award | ICHARM | International Centre for Water Hazard and Risk Management |
| BPWA | Best Performing Workbody Award | ICID | International Commission on Irrigation and Drainage |
| Cal Poly | California Polytechnic State University | ICID.UK | British National Committee of ICID |
| C-CONGR | Committee on Congresses/Conferences | ICOLD | International Commission on Large Dams |
| CERYD | Comité Español de Riegos y Drenajes | ICRISAT | International Crops Research Institute for the Semi-Arid Tropics |
| CGIAR | Consultative Group on International Agricultural Research | IDW | International Drainage Workshop |
| CH | Conference Hall | IEC | International Executive Council |
| CH-AGRAM | Swiss National Commission on Agro-Systems and Land Improvement | IFAD | International Fund for Agricultural Development |
| CHICID | Comité Nacional Chileno de Riego y Drenaje | IFPRI | International Food Policy Research Institute |
| CIGR | International Commission of Agricultural Engineering | IGS | International Geosynthetics Society |
| CNCID | Chinese National Committee on Irrigation and Drainage | INACID | Indonesian National Committee of ICID |
| CNRID | Romanian National Committee on Irrigation and Drainage | INAE | Indian National Academy of Engineering |
| CO | Central Office | INCSW | Indian National Committee on Surface Water |
| CONIRD | National Congress on Irrigation and Drainage | INWEPF | International Network for Water and Ecosystem in Paddy Fields |
| C-PR&P | Committee on Public Relations and Publications | IPTRID | International Program for Technology Research in Irrigation and Drainage |
| CPSP | Country Policy Support Program | IRCID | Irish National Committee on Irrigation and Drainage |
| CPU | Council of Power Utilities | IRNCID | Iranian National Committee on Irrigation and Drainage |
| CR | Committee Room | IRQCID | Iraqi National Committee of Irrigation and Drainage |
| CRCID | Croatian National Committee, ICID | ISCID | Israeli National Committee, ICID |
| CTCID | ICID-Chinese Taipei Committee | ISO | International Organization for Standardization |
| CYCID | Cyprus National Committee, ICID | ITAC | International Technical Advisory Committee |
| CZNC-ICID | Czech Committee of the International Commission on Irrigation and Drainage | ITAL-ICID | Comitato Nazionale Italiano ICID |
| DM | Direct Membership | ITRC | Irrigation Training and Research Center |
| DMASC | Direct Membership Administering Sub-Committee | IWALC | International Water-related Associations' Liaison Committee |
| | | IWMI | International Water Management Institute |

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|-------------|--|-----------------|--|
| IWP | Irrigation Water Productivity | TF-WWF9 | Task Force to Guide ICID Inputs to World Water Forum 9 |
| IYPeF | Young Professional's e-Forum | THAICID | Thai National Committee on Irrigation and Drainage |
| JICA | Japan International Cooperation Agency | TUCID | Turkish National Committee, ICID |
| JNC-ICID | Japanese National Committee, ICID | UACID | Ukraine National Committee of ICID |
| KAZCID | National Committee of Kazakhstan on Irrigation and Drainage | UIP | User Interface Platform (of GFCS) |
| KCID | Korean National Committee on Irrigation and Drainage | UN | United Nations |
| KYRCID | Kyrgyz National Committee, ICID | UNCSD | United Nations Conference on Sustainable Development |
| LinkedIn | Professional social networking website | UNDP | United Nations Development Programme |
| LTCID | Lithuanian National Committee on Irrigation and Drainage | UNESCO | United Nations Educational, Scientific and Cultural Organization |
| MAKCID | Comite Nationale d'Irrigation et de Drenage de Macedonie | UNESCO-IHE | UNESCO-IHE Institute for Water Education |
| MANCID | Malaysian National Committee on Irrigation and Drainage | UNW-DPC | UN-Water Decade Programme on Capacity Development |
| MB | Management Board | URUCID | Uruguay National Committee, ICID |
| MH | Meeting Hall | USCID | U.S. National Committee on Irrigation and Drainage |
| MNCID | Myanmar National Committee on Irrigation and Drainage | UzNCID | Uzbekistan National Committee, ICID |
| MoU | Memorandum of Understanding | VPH | Vice President Honoraire |
| MTD | Multilingual Technical Dictionary | WATSAVE | Water Saving Activities / Award |
| MXCID | Mexican National Committee of International Commission on Irrigation and Drainage | WB | World Bank |
| NC | National Committees/Committee | WECS | World Energy Commission Secretariat |
| NENCID | Nepal National Committee, ICID | WG | Working Group |
| NETHCID | Netherlands National ICID Committee | WG-BIO-ENERGY | Working Group on Water for Bio-Energy and Food |
| NGO | Non-Governmental Organization | WG-CDTE | Working Group on Capacity Development, Training and Education |
| NINCID | Nigerian National Committee on Irrigation and Drainage | WG-CLIMATE | Working Group on Global Climate Change and Agricultural Water Management |
| OECD | Organisation for Economic Co-operation and Development | WG-ENV | Working Group on Environment |
| PANCID | Pakistan National Committee on Irrigation Drainage | WG-HIST | Working Group on History of Irrigation, Drainage and Flood Control |
| PCSO | Permanent Committee on Strategy and Organization | WG-IDM | Working Group on Irrigation Development and Management |
| PCTA | Permanent Committee for Technical Activities | WG-IDSST | Working Group on Irrigation and Drainage in the States Under Socio-Economic Transformation |
| PFC | Permanent Finance Committee | WG-IFM | Working Group on Integrated Flood Management |
| PH | President Honoraire | WG-IOA | Working Group on Institutional Aspects of Irrigation/ Drainage System Management |
| PNC-ICID | Philippine National Committee of the International Commission on Irrigation and Drainage | WG-LDRG | Working Group on Land Drainage |
| PNCID | Portuguese National Committee on Irrigation and Drainage | WG-SDTA | Working Group on Sustainable Development of Tidal Areas |
| RIO+20 | United Nations Conference on Sustainable Development | WG-SON-FARM | Working Group on Sustainable On-Farm Irrigation System Development |
| RUCID | National Committee of the Russian Federation on Irrigation and Drainage | WG-VE | Working Group on Value Engineering |
| SADC | Southern African Development Community | WG-WATER & CROP | Working Group on Water and Crops |
| SANCID | South African National Committee on Irrigation and Drainage | WG-WATS | Working Group on Water Saving in Irrigated Areas |
| SARIA | Southern African Regional Irrigation Association | WG-WFE_N | Working Group on Water Food Energy Nexus |
| SC-E-THEMES | Sub-committee on Themes, Topics and Work Plans of the Future ICID Events | WID Prize | World Irrigation and Drainage (WID) Prize |
| SDGs | Sustainable Development Goals | WIF | World Irrigation Forum |
| SG | Secretary General | WMO | World Meteorological Organization |
| SINCID | Slovenian National Committee on Irrigation and Drainage | WSH | World Water System Heritage |
| SLNICID | Sri Lanka National Committee, ICID | WUA | Water Users Association |
| SYCID | Syrian National Committee of Irrigation and Drainage | WWAP | World Water Assessment Programme |
| TANCID | Tanzania National Committee for Irrigation and Drainage | WWC | World Water Council |
| TDS | Text Delivery Service | WWD | World Water Day |
| TF | Task Force | WWF | World Water Forum |
| | | YUGCID | Yugoslav Association on Drainage and Irrigation |
| | | ZACID | Zambian National Committee, ICID |



**MINUTES OF THE 73RD MEETING OF THE
INTERNATIONAL EXECUTIVE COUNCIL (IEC) OF ICID**

Adelaide, Australia

Opening Plenary (First Session): 06 October 2022, 08:45 – 10:30 hours

Second Session: 10 October 2022, 08:45 – 13:00 hours

Third Session: 10 October 2022, 14:00 – 18:00 hours

The International Executive Council (IEC) is vested with the management of the affairs of the International Commission on Irrigation and Drainage (ICID). The IEC considers all matters of policy which may be initiated or sponsored by any member National Committee or Office Bearer or by the Management Board and may itself initiate and determine or otherwise advise and lay down any matter of policy. All matters affecting the executive or administrative function and financial liabilities of ICID must come up before the Council and its decision shall be conclusive. The IEC consists of the Office Bearers and representative from each National Committee and meets annually.

Opening Plenary (First Session): 06 October 2022, 08:45 – 10:30 hours

1. The 73rd meeting of the International Executive Council of ICID was organized in three sessions. The Opening Plenary was aimed at addressing all stakeholders, experts, representatives, partners and observers with the objective to communicate issues of general concern and also presenting ICID annual awards and recognitions. The opening plenary was attended by about 400 delegates from 44 countries. They participated in the meetings of the various working groups, task teams and committees in the following two days. The main session of IEC, which was conducted in two sessions on 10 October, took all decisions, based on the outcomes and recommendations of the work bodies and permanent committees. The list of participants who attended the main session of 73rd IEC meeting is given in **Annex 1, page 25** and includes representatives of 27 National Committees, 6 Office Bearers, 3 past Presidents and 13 past Vice Presidents.

IEC Minutes Item 1: Welcome and opening remarks by the President

2. President Prof. Dr. Ragab Ragab welcomed the members to the 73rd IEC meetings. He thanked IACID for making excellent arrangements for the 73rd IEC meetings. The Council observed one-minute silence in remembrance of late President Hon. Marvin Jensen (USA) and late VPH Abdellah Bekkali (Morocco) and other departed souls from ICID fraternity.

3. In his opening remarks, the President emphasized the opportunity to spotlight where ICID – and various stakeholders of the irrigation and drainage sector as a whole – needs to come together to promote sustainable management of water for agriculture worldwide, as Agenda 2030 provides an opportunity to ICID to revisit its vision and mission to align with UN SDGs, and the main theme of the 24th ICID Congress "Innovation and research in AWM to achieve SDGs" further underlines it. The President highlighted the main initiatives of the Commission during the last year since the 72nd IEC meeting and impressed upon the need for a coherent approach towards the mission of ICID among its various stakeholders. He informed about the membership drive to bring in more countries to ICID fraternity so as to fulfill the vision, mission and goals of ICID may benefit almost all countries around the world. He gave a brief insight into his participation in various international meetings, which are of interest to ICID, his attendance in the virtual meetings of the ICID workbodies and ICID's new partnerships with international organizations in water sector. He also gave a glimpse on the recent and new initiatives like the establishment of a task force on Transboundary Water Management, Members' Profile Section, the Register on World Irrigation and Drainage Schemes (WIDS), etc.

IEC Minutes Item 2: Scoping out the issues to be addressed during the workbody meetings: Secretary General, Chair of PCTA and Chair of PCSO

4. Secretary General Er. Ashwin B. Pandya introduced the agenda for the 73rd IEC meeting and provided an overview of the important issues before the Council such as the review of the action plans identified under Road Map to ICID Vision 2030, Knowledge Portal, establishment of Regional Nodes under IRPID Scheme, Members' Profile Section, WIDS, and other important issues that will be covered during the workbody meetings. He requested the chairs and members of various workbodies to use the updated agenda notes with supplementary information uploaded on the website for the meetings of the Council, the Permanent Committees and Workbodies.

5. VP Prof. Dr. Tsugihiko Watanabe, Chairman, PCTA acquainted the members with the four thematic groups of Basin, Knowledge, Schemes and On-Farm under which the workbodies reporting to PCTA are organized and the review of these thematic groups by their Strategy Co-Theme Leaders, who are Vice Presidents of ICID, during the

PCTA meeting, and at IEC, where one of the strategy themes will be presented on rotation basis. He emphasized that the establishment of a new workbody should be solely based on the Scoping Documents, clearly outlining its mandate and purpose. Even the extension of an existing workbody after completion of its duration should be based on the progress achieved on the mandated activities. He stressed the need to stick to the laid down guidelines and procedures for the improved functioning of the WGs. He exhorted the Chairs of workbodies for the efficient management of time allocated for the WB meetings by focusing on the relevant topics for discussions, encouraging the virtual meetings of the workbodies in between annual meetings, reaching out to the international partners and effective use of the ICID News in publishing the articles of international workshops organized by their workbodies. He emphasized the need for the presence of Workbody Chairs, who are ex-officio members of PCTA, to present the reports of their respective WBs during the PCTA meeting in order to help PCTA to make appropriate recommendations to the Council. He emphasized the role of Co-Theme Leaders and WB Chairs in the existing monitoring mechanism for assessing the progress achieved in the activities identified under various strategies which form part of the Action Plan appended to the Road Map to ICID Vision 2030. He stressed the need for the preparation of the draft synthesis report of the strategy themes in advance by organizing the virtual meetings between the Chairs of the WBs and Co-Theme Leaders of Strategy Themes bringing out the key issues and expected outcomes of the WBs. These reports of strategy themes may be presented during the PCTA meetings after updating the same based on the discussions and outcomes of WB meetings held in conjunction with the annual Council meetings. Future meaningful organization of the WBs may be accomplished through WBs' joint events, collaborative activities, etc. and updating and re-tailoring the action plan for the ICID Vision 2030.

6. VP Dr. Mochammad Amron, Chairman, PCSO made a short presentation on the important aspects that various Working Groups required to pay attention such as monitoring the progress achieved under Action Plan. He requested the presence of the Chairs of RWGs and Committees and WBs, who are ex-officio members of PCSO, for reporting the outcomes of their meetings to PCSO. He informed that the PCSO meeting is open to all and briefed about ICID Knowledge Portal, which plays a pivotal role in the dissemination and exchange of technological advances in irrigation and drainage sector among ICID stakeholders.

IEC Minutes Item 3: Presentation by the National Committees: Australia and Tajikistan

7. Mr. Carl Walters, the representative of Australian National Committee of ICID (IACID) presented the report bringing out the important aspects regarding the Agriculture Water Management in the country, and how they resulted in increased Agriculture activity in Australia. His presentation mainly focussed on integrated approaches to irrigation management in Australia. In Australia, social and economic objectives drove development initially across the Murray Darling system and adverse impacts started to emerge such as increased algal blooms, Irrigation Region Salinization, Environmental issues, less water for environment – Reversed River operation, reduced forest/wetland flooding, etc. and increased closure of Murray Mouth. So, over allocation or use of water was identified as a key issue, and the focus was to address the increased demand and reduced availability of water particularly during the dry conditions. The water policy reforms over the last 25 years included (i) National Water Initiative – Commitment to Water Reform; (ii) Caps on Diversions (Murray Darling Basin Plan); (iii) Identification of Sustainable Diversion Limits (iv) National Plan for Water Security Improvement; (v) Adoption of Water Metering and Measurement Changes; and (vi) Establishment of Water Markets and continued adoption in linked systems. It was realized and recognized that environment was entitled to primary access to water and protection and restoration of rights to water needs to be addressed. Mr. Carl Walters cited Murray Darling Basin Plan, a high-level framework for managing the Basin's water resources to better meet the needs of the environment, communities, and industry across the Basin. He informed that all Australian Governments are pursuing improved effectiveness in the use of water, not just in efficiency, but adapt to Australia's variability in climatic conditions. He informed about the irrigation technology types available and future improvements focussing on existing efforts, resource management and service provision and new initiative around traditional owners. He concluded by presenting a case study on Trangie Nevertire Private Irrigation Scheme. The PowerPoint presentation made by IACID representative is uploaded at https://icid-ciid.org/icid_data_web/IACID_NCppts2022.pdf.

8. Dr. Bahrom Gaforzoda, the representative of the Tajikistan NC of ICID (TajNCID) briefly presented the activities of TajNCID, irrigation and drainage facilities in Tajikistan with its historical perspective and the main challenges of their country's irrigation and drainage sector. Dr. Gaforzoda in his presentation gave an overview of the water resources of Tajikistan, with 947 rivers and 276 streams with a total length of 30,000 km. The main water resources of Tajikistan are glaciers, lakes, surface water resources, reservoirs, and underground water resources. He informed about the initiatives by the Republic of Tajikistan at the UN General Assembly which resulted in the declaration of International Freshwater Year (2003), International Decade for Action "Water for Life" (2005-2015), International Year of Water Cooperation (2013) and International Decade for Action "Water for Sustainable Development, 2018-2028", with their country being an active member of the global water processes. Then, he dwelt upon the importance of land reclamation and irrigation to their country's economy, irrigation and drainage scenario of their country and the main activities of the Agency for land reclamation and Irrigation under the Government of the Republic of Tajikistan. The presentation made by TajNCID can be accessed at https://icid-ciid.org/icid_data_web/TajNCID_NCppts2022.pdf.

IEC Minutes Item 4: Presentation of Awards: WatSave, Best Paper, Best Performing National Committee, Best Performing Workbody, World Heritage Irrigation Structures

IEC Minutes Item 4.1: Presentation of the WatSave Awards

9. In the absence of Chair of the Panel of Judges for WatSave Award 2022 PH Eng. Felix B. Reinders (South Africa), the Secretary General Er. Ashwin B. Pandya presented the report on his behalf and recommended to the Council for bestowing the awards in different categories as follows: **Technology Award** to Mr. Sumith Choy, Mr. Varun Ravi, Mr. N. Srinivas Reddy and Mr. Satya N. Jaddu (Australia) for their work on "Leveraging Canal Automation Technology to Improve Karnataka's Precious Water Resources"; **Innovative Water Management Award** to Mr. Li Gendong and Mr. Su Xiaofei (China) for their work on "Water Rights Trading of Hetao Irrigation Scheme"; **Young Professional Award** to Mr. Ramtin Nabipour Shiri (Iran) for his work on "Drip Tape Irrigation of Transplanted Rice in Puddled Paddy Soil" and **Farmer Award** to Mr. Nader Zarei (Iran) for his work on building a "Cultivation Model Compatible With Arid And Semi-arid Climate Of Iran In Order To Increase Water's Economic Productivity".

10. President Prof. Dr. Ragab Ragab and Mr. Bryan Ward, IACID handed over the plaques and the prize monies of US\$ 2000 each to the WatSave Award winners. President thanked IACID for the financial support for the WatSave Awards for 2022.

IEC Minutes Item 4.2: Presentation of the Award for the Best Paper in the ICID Journal "Irrigation and Drainage"

11. Out of all the papers published in the ICID Journal "Irrigation and Drainage" during the year 2021, the best paper was announced by PH Prof. dr. Bart Schultz (The Netherlands) on behalf of Prof. Jiusheng Li, Chair of EB-JOUR in his absence. The Best Paper Award was awarded jointly to Jiaxin Wen, Yang Xiao, Peng Song, Bo Sun, Tahir Muhammad, Lianghe Ma, An Waier Aosiman and Yunkai Li for their outstanding paper titled 'Bacillus amyloliquefaciens application to prevent biofilms in reclaimed water micro irrigation systems' published in Volume 70 Issue 1, p. 4-15 of Irrigation and Drainage - the Journal of ICID 2021.

12. President ICID, Prof. Dr. Ragab Ragab handed over the award to the winners.

IEC Minutes Item 4.3: Presentation of the Best Performing National Committee Award – 7th Edition (BPNCA-7)

13. Since there were no nominations for BPNCA-7, the award in this category has not been declared at Adelaide.

IEC Minutes Item 4.4: Presentation of the Best Performing Workbody Award – 5th Edition (BPWA-5)

14. Based on the report by the Panel of Judges chaired by Prof. Dr. Ragab Ragab, President, ICID, the African Regional Working Group (AFRWG) was declared the winner of BPWA-5 based on the work largely undertaken by the WG during the last three years. The Chair of the WG, VPH Dr. Mohamed Wahba (Egypt) was presented with the Winner's Plaque.

IEC Minutes Item 4.5: Recognition of World Heritage Irrigation Structures (WHIS)

15. The Chair of the Panel of Judges, VP Dr. Mochammad Amron, Chairman, PCSO presented to the Council, the report on the historical irrigation and drainage structures identified to be recognized as World Heritage Irrigation Structures (WHIS). Accordingly, the Council accorded its approval to nineteen irrigation structures, the recognition as "World Heritage Irrigation Structures". The structures recognized are: **Australia (1)**: Dethridge Outlets/Wheels; **China (4)**: Chongyi Shangbao Terraces, Songgu Irrigation Scheme, Tongjiyan Irrigation Scheme and Xinghua Duotian Irrigation and Drainage System; **India (4)**: Baitarani Irrigation Projects, Lower Anicut, Rushikulya Irrigation System and Sir Arthur Cotton Barrage; **Iraq (2)**: Al-Adhem Dam and White Bridge; **Japan (3)**: Kanuki Irrigation Canal, Teradani Irrigation System and Yukawa Irrigation Canal; **Republic of Korea (1)**: Uiseong Small Reservoir Irrigation System; and **Sri Lanka (4)**: Kala Wewa, Maduru Oya Ancient Dam and the Sluice, Padaviya Tank and Thekkam Anicut. The irrigation structures recognized as WHIS will be included in the ICID Register of WHIS.

16. The President, ICID handed over the "Plaque and a Certificate" to this effect to the owner agencies of these structures.

Second Session: 10 October 2022, 08:45 – 13:00 hours

IEC Minutes Item 5: Action Taken Report on the decisions of 72nd IEC and the decisions taken by the Management Board (MB)

17. Secretary General informed that actions on all the decisions by the 72nd IEC (partially virtual) had been initiated/completed during the year. The Council endorsed the decisions taken by the Management Board on behalf of IEC in accordance with Article 8.1 of the ICID Constitution and Clause 3.9.2 of ICID By-laws, as listed in **Annex 2, page 27**.

IEC Minutes Item 6: Report by the Secretary General

18. Secretary General presented the Annual Report 2021-22 and provided an update on the physical and financial progress on activities undertaken during the period from April 2022 till date.

IEC Minutes Item 7: Presentation on Strategy Theme “On-Farm”

19. The technical activities of ICID are organized under four Strategy Themes, namely Knowledge, Schemes, Basin and On-farm. Currently, there are two working groups under the ST-On-Farm, viz. Working Group on Use of Non-Conventional Water Resources for Irrigation (WG-NCWRI) and Working Group on On-Farm Irrigation Systems (WG-SON-FARM). The Co-Theme Leader of ST-On-Farm, VP Eng. Rafat Nael AbdulGhani Al_Intaki (Iraq) made a presentation on Strategy Theme “On-Farm” analyzing the work undertaken by the work bodies under the theme.

20. The Co-Theme Leader, ST-On-Farm, VP Eng. Al Intaki analyzed the key issues addressed by the WGs and outcomes of their activities. He concluded that the WG-SON-FARM promotes on-farm irrigation techniques as part of the integrated water resources management, and sustainable efficient approach for on-farm irrigation. This has been very clear through its activities. The WG-NCWRI promotes 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 prepare comprehensive reviews and prospects with respect to different aspects of NCWR. The presentation made by VP Eng. Al Intaki is given at <https://icid-ciid.org/icid_data_web/Onfarm_Intakippts2022.pdf>.

IEC Minutes Item 8: International Research Program for Irrigation and Drainage (IRPID) Scheme

21. VP Prof. Dr. Tsugihiko Watanabe, Chair of AC-IRPID, gave a brief introduction about the objectives of IRPID Scheme, including its organizational structure, responsibilities, and functions. He also provided a brief on the two existing RNs in Beijing and Ahwaz hosted by the NCs of China and Iran, respectively. He said that the Beijing and Ahwaz RNs are functioning quite well. He informed the Council that the third RN established in 2019 in the Central-Asian and Caucasian region hosted by TAJCID is yet to become fully operational. He apprised the Council that it is essential to continue to support and further revitalize the activities of two existing Regional Nodes, by way of increasing the number of member countries and cooperation with international organizations, and evolving strategies to obtain the funds for activities. To achieve this, it is necessary to clarify the organization and structure of the RN's operation.

22. Since the notification of the revised IRPID Scheme (http://www.icid.org/irpid_scheme.pdf), vide Notification No.6 of 2017 dated 23 February 2017 among ICID National Committees, it is a good development that the NCs, are interested in establishing RNs in various regions. He informed that Prof. Dr. Sylvester Mpandele is coordinating the establishment of a South African Regional Node, while the Saudi Arabian National Committee has been requested to take initiative to create a Regional Node in the Middle East. It is suggested that the new Regional Nodes are to be established and developed based on the experiences, achievements, and challenges of the existing Regional Nodes, as the creation of a Regional Node is not an easy task, which needs good coordination, networking and preparation. He apprised the Council about the progress achieved in establishing the RNs, viz. Mediterranean Region by Italian NC and North Africa region by Moroccan NC and Egyptian NC, which were approved ‘in principle’ by the Council at its 69th meeting at Saskatoon in 2018. Italian NC is continuing its efforts to establish the Mediterranean RN coordinated by VP Dr. Marco Arcieiri, while Moroccan and Egyptian NCs lead the efforts coordinated by VPH Dr. Mohamed Wahba in the setting up of the North African RN.

23. The Council felt that the IRPID components like Irrigation Research (IrriSEARCH) needs to be populated and revitalized. The Council appealed to the NCs and RNs to populate the database template available at <http://www.icid.org/addresearchdata.php>, which aims to bring together all Agriculture Water Management (AWM) research activities from various NCs on a single platform to help others to learn from their experiences.

IEC Minutes Item 9: Reports by the Chairs of Permanent Committees

IEC Minutes Item 9.1: Permanent Finance Committee (PFC)

24. VPH Dr. Marco Arcieri, Chairman, PFC presented the report of the 43rd meeting of the PFC held on 07 October 2022 at Adelaide, Australia as given at **Appendix I, page 41**. He informed the Council that the membership of the Committee now stands at 10 members, just above the required minimum of 9 members as per ICID by-laws 3.9.3 (b). The Council requested National Committees to nominate their expert members well-versed in financial matters for the membership of PFC, which is allowed to have a maximum of 15 members.

25. The Council gratefully acknowledged the organization of the 72nd IEC and 5th African Regional Conference by ANAFIDE in Marrakech, Morocco in 2022, and the efforts of ANAFIDE to handle unforeseen pandemic outbreak and facilitating the safe return of international delegates at short notice. The Council placed on record its appreciation for Japanese NC (JNCID) for contributing US\$ 5000 during the financial year 2021-22 as a special subscription for technical support to YP Activities.

26. The Council endorsed the PFC recommendation that the admission of Jamaica, Laos PDR and Niger be approved as members of ICID in accordance with ICID By-law 9 governing application for membership, subject to the payment of subscription by these countries. The council noted that Jamaica has already paid subscription for the year 2022.

27. The Chair, PFC reported to the Council about the present financial status of the Commission and informed that the deficit Rs. 40.72 million indicated in the budget for 2021-22 was on account of loss of rental income, loss of income from events and less receipt of subscription due to COVID-19 pandemic. The Council noted that with possible restoration of rental income from October 2022 onwards, the shortfall will be managed, and efforts will be made to balance the receipts and expenditure during the FY 2022-23. The Council endorsed the PFC recommendation that an increase in subscription rate by 6.5% may be affected from the year 2024, with COVID-19 situation is now under control, but the recovery process is still going on.

28. PFC Chair informed that the impact on ICID finances on account of the loss of rental income, which contributes more than 60% of ICID receipts, has raised the questions about the financial sustainability of ICID's operation. The Council was informed of the recommendations of the Special PFC meeting held in August 2022, which made the following recommendations and accorded its approval to them.

- (a) To undertake financial sustainability analysis in detail and to identify action points and measure to ensure sustainability of more than 70 years' old organization as dependence of sustainability of organization only on rental income is not a good sign.
- (b) Members suggested that some of the NCs can be requested for one-time financial support to ICID budget as special contribution.
- (c) Setup a Task Team for detailed overall sustainability of the organization

29. The Council noted the austerity measures effected by the Central Office to curtail the effect of the impact on account of the loss of rental income. The Council endorsed the PFC recommendation that the issues are serious in nature and accordingly be dealt under a separate agenda at Item number 9.4 for a focussed attention on the topic and devise strategies and setup a task team to address these issues.

IEC Minutes Item 9.2: Permanent Committee on Strategy and Organization (PCSO)

30. VP Dr. Mochammad Amron, Chairman, PCSO presented his report on the 33rd meeting of the PCSO held on 08 October 2022 at Adelaide, Australia as given at **Appendix II, page 49**.

31. The Council endorsed the recommendation of the PCSO that attempts made on the lines followed presently may be continued for bringing new members to ICID fold. The Council appreciated the efforts of ANAFIDE for bringing in Francophone countries of Africa and the support extended to Niger for reviving their membership. The Council also appreciated the support of KCID for bringing in Lao DPR to ICID fold. The Council asked the Central Office to work with the SANCID, which offered for bringing in membership of SADEC region countries through bilateral arrangements and appreciated SANCID efforts towards this end. The event platforms such as Asia Pacific Water Summit and Japan Water Forum may be utilized for promoting ICID membership amongst ASEAN and Pacific countries with the help of JNCID. The Council noted with appreciation the efforts of ICID Central Office and President Prof. Dr. Ragab in bringing new memberships. The Council appreciated the interests shown by Kenya, Tunisia, Zimbabwe, Algeria, Senegal, Tanzania, Argentina for the membership of ICID and requested that they may be followed up in this direction.

32. The Council appreciated the increasing cooperation with International Organizations and collaborative activities undertaken during the year 2021-22, which resulted in the signing of the MoUs with IWMI and ICOLD. The Council noted and appreciated the formalization of the international collaborative activities with various international organizations through signed MoUs, following the decision of the 71st IEC virtual meeting for entering into signed MoUs based on mutual concurrence on the scope of work, participation in ICID activities etc., rather enrolling them as direct members.

33. The Chair, PCSO reported that the African Young Water Professional (AFYWP) Forum is going from strength to strength bringing new memberships to ICID and efforts are being made to establish a Regional Node of IRPID in the region. The Council noted with concern the depleting membership of ICID in the Latin American region. The membership of ICID in Europe is also a major concern that needs to be addressed with concerted efforts. The Council was informed that the French NC (AFEID) has proposed to hold 26th ICID Congress in 2026.

IEC Minutes Item 9.3: Permanent Committee for Technical Activities (PCTA)

34. VP Prof. Dr. Tsugihiko Watanabe, Chairman, PCTA presented his report on the 42nd meeting of PCTA held on 09 October 2022 at Adelaide, Australia as given at **Appendix III, page 55**. The Council endorsed the recommendation of PCTA that in order to avoid waiting times for formally including members into working groups, new members proposed by the WB Chair may be communicated to the Chair PCTA for his concurrence and included in the WB under intimation to the Central Office.

35. PCTA recommended that the present setup of work bodies needs to be reviewed through a task force for making the activities of Working Groups better integrated and in tune with the requirements of the sector. Thus, by reorganising the Working Groups, the structure of IEC meetings may be made more compact and lesser time consuming. PCTA may consider delving upon common technical issues of the sector and avoid routine reporting of Work bodies in physical meetings.

36. PCTA recommended that IRPID scheme components like IRRISEARCH, Regional Node functioning, etc. need to be revitalized and action may be taken for establishment of Mediterranean and North African nodes.

37. Looking at the large number of working groups and some overlapping mandates, PCTA recommended that a Task Force may be set up to review the mandates and outcomes of the Work Groups. The TF thus set up may be mandated to recommend the new structure and mandates of Working Groups more in line with the demands of the sector. Accordingly, the consultations with WG members and chairs may be held for taking their views on board. The TF may prepare a strategic plan which may be reviewed at the next IEC meeting.

38. The Council was informed of the request from UzNCID that a Task Force on Aral Sea may be established to support efforts of Uzbekistan to transform Aral Sea region into a zone of ecological innovations and technologies. The Council endorsed the decision of the Committee that an expert group may be established under Task Team on Trans Boundary AWM, with the request that the group may have to undertake coordination with the neighbouring countries for arriving at holistic solutions.

39. PCTA proposed that individual theme leaders may hold virtual meetings with their workbodies for assessment of their activities and reporting to the PCTA meeting as synthesis of their activities. The Chair PCTA and President ICID may join the meetings as per availability of time. The Committee recommended that the reports of the Working Groups and Strategy Themes may be prepared through virtual meetings for saving the time during physical meetings of the Committee.

IEC Minutes Item 9.4: Overall Long-Term Sustainability of ICID

40. Secretary General Er. Ashwin B. Pandya presented a brief report on the overall long-term sustainability of ICID. The detailed presentation made by him can be accessed at https://icid-ciid.org/icid_data_web/OverallSustain_SGP2022.pdf.

41. He presented to the Council that the Rental Income has become the major source of revenue for ICID replacing the membership subscription and the Central Office shares from the registration fees of Congresses, WIFs, annual IEC meetings, Regional Conferences, etc. Hence, a Special PFC meeting was organized on 23 August 2022 to consider the extreme financial condition of ICID. The special PFC meeting suggested that the Sub-committee may be setup at the earliest to consider various options and review financial situation in detail and suggest measures to be taken to maintain financial sustainability of ICID. However, later in consultation with Prof. Dr. Ragab Ragab, President, ICID, who is also Chair of MB and VPH Dr. Marco Arcieri, Chair, PFC, it was felt that considering the wide range of issues that impact the overall sustainability of ICID such as the declining membership of ICID especially in the regions of Europe and Americas, the value addition through technical outputs of ICID, the continuing dependency on the rental income for the financial stability of ICID, etc., the setting up of Task Force to consider the

overall sustainability of ICID on a long-term basis may be a better option than establishing a sub-committee under PFC. The TF may be mandated to suggest measures to be undertaken in this regard.

42. After due deliberations and discussions, the Council approved the setting up of a Task Force to look into overall sustainability of ICID including financial sustainability of ICID on a long-term basis. The Council directed that the mandate and composition of the TF may be decided by the President in consultation with the Secretary General, who will act as member-secretary of the TF. The PFC and TF have been asked to examine the progress on a regular basis and evolve dynamic strategies on a regular basis to ensure the sustainability of ICID.

IEC Minutes Item 9.5: Discussions and Decisions on the Recommendations of the Permanent Committees

43. The Council deliberated on the reports and recommendations of PFC, PCSO and PCTA together in totality and took decisions through resolutions duly taking note of the report of the Secretary General under Agenda Item 6 and Agenda Item 9.4.

44. The Council adopted the resolutions on the Financial Matters of ICID presented through PFC Report and on the Organizational and Technical Matters of ICID presented through the Reports of PCSO and PCTA, that are placed at **Resolution IEC-1/73 and Resolution IEC-2/73 (page 11 and 13)**, respectively. The Council approved the Audited Accounts of ICID for the Financial Year 2021-22 as given in **Annex R1.1, page 15**, and the revised Budget for FY 2022-23, and the proposed Budget for FY 2023-24 as given in **Annex R1.2, page 21**. The Council noted the financial arrangements for future ICID events in 2023 and 2024, approved the registration fee structure for the 10th International Micro Irrigation Conference, January 2023 at Dakhla, Morocco; the 74th IEC and WIF4, April 2023, Beijing, China; the 75th IEC and 25th ICID Congress, November 2023, Visakhapatnam (Vizag), India; and the 14th International Drainage Workshop, September 2023, Dushanbe, Tajikistan as given at **Annex R1.3, page 23**, as per the recommendation of the Committee.

45. The Council approved the setting up of a Task Force to look into overall sustainability of ICID including financial sustainability of ICID on a long-term basis, after considering the issues such as the declining membership of ICID especially in the regions of Europe and Americas, the value addition through technical outputs of ICID, the continuing dependency on the rental income for the financial stability of ICID, etc. which impact the overall sustainability of ICID in terms of its organizational, technical and financial sustainability.

46. On recommendation of PCTA, the Council approved the closure of the Task Force to Guide ICID Inputs to 9th World Water Forum (TF-WWF9) on successful completion of its mandate and the establishment of a Task Force to Guide ICID Inputs to 10th World Water Forum (TF-WWF10).

47. The Council endorsed the recommendation of PCTA for setting up a Task Force to review the mandates and outcomes of the WGs, with the mandate that the TF may recommend the new structure and mandates of WGs in line with the demands of the sector and in consultation with WG members and Chairs. The TF has also been mandated to prepare a strategic plan which may be reviewed at the next IEC meeting.

48. The Council approved the membership changes of various workbodies under PCSO and PCTA, and consequently, the updated and consolidated membership of all workbodies, including permanent committees is given at **Annex 3, page 29**.

Third Session: 10 October 2022, 14:00 – 18:00 hours

IEC Minutes Item 10: A Road Map to ICID Vision 2030: Activities under ICID Action Plan – A Review

49. The Council monitored the progress of activities identified by the WGs, RWGs, NCs and Central Office to implement the strategies to achieve the organizational goals as targeted in the Action Plan appended to the 'Road Map to ICID Vision 2030', as the Vision Document is designed to be a living and dynamic and rolling in nature and required to be reviewed triennially.

50. The Council noted that the capacity development is one of the activities that has been progressing well under the Action Plan, besides organizing a series of webinars and trainings and online courses as part of this activity. The YP Training Program is another activity which was attended in large numbers.

51. The Council noted the recommendation of PCSO that the Action Plans can be dynamically reviewed and updated based on the progress of the relevant WG; and RWGs and WGs may monitor the activities of relevant Working Groups for implementation of Action Plan.

52. PCTA recommended that the Action Plan appended to Road Map to ICID Vision 2030 needs to be re-looked at and updated. PCTA also recommended that the present setup of work bodies needs to be reviewed through a task force for making the activities of Working Groups better integrated and in tune with the requirements of the sector and the Working Groups may be reorganized, the structure of IEC meetings may be made more compact and lesser time consuming.

53. The Council endorsed the recommendations made by the Permanent Committees with regard to the monitoring of the activities identified by the workbodies to implement the strategies to achieve the organizational goals as targeted in the Action Plan appended to the Road Map to ICID Vision 2030.

IEC Minutes Item 11: Status of Future ICID Conferences / Congresses / Forums

54. The National Committees were invited to make presentations about hosting of approved future events of ICID. Accordingly, the dates of the future events as approved by Council are as follows:

- (a) 10th International Micro Irrigation Conference, 25-27 January 2023, Dakhla, Morocco
- (b) 74th IEC Meeting and 4th World Irrigation Forum, 16-22 April 2023, Beijing, China
- (c) 14th International Drainage Workshop, May / June 2024, Dushanbe, Tajikistan
- (d) 75th IEC Meeting and 25th ICID Congress, 1-8 November 2023, Vizag, Andhra Pradesh, India
- (e) 1st Middle East Regional Conference, February 2024, Saudi Arabia
- (f) 76th IEC Meeting and 9th Asian Regional Conference, 1-7 September 2024, Sydney, Australia
- (g) 77th IEC Meeting and 5th World Irrigation Forum, 1-7 May 2025, Kuala Lumpur, Malaysia

55. At the PFC meeting held on 07 October 2022, the representatives of ANAFIDE, CNCID, INCID and TajNCID presented the progress about the financial aspects of the future ICID events hosted by them, while the organizational and technical aspects of all future events of ICID approved by the Council till 2025 were reviewed by C-CONGR meeting held on 08 October 2022, as reflected in the summary report of the Chair, C-CONGR to Chair, PCSO.

56. Pr El Houssine BARTALI Vice President, ANAFIDE, made a brief presentation on the 10th International Micro Irrigation Conference (IMIC) at Dakhla, Morocco from 25-27 January 2023. The Council noted various arrangements for 10th IMIC.

57. Ms. Li Ruoxi, Secretary, Chinese National Committee of ICID (CNCID) presented in detail the arrangements that have been put in place for the successful organization of 74th IEC and 4th World Irrigation Forum (WIF4) in Beijing, China from 16-22 April 2023. The Council requested CNCID to either curtail the IEC meetings or cancel the IEC meetings altogether. The CNCID has agreed to consider the Council's request and to provide its response within a reasonable time in consultation with the Ministry of Water Resources of the People's Republic of China.

58. The Council has approved in principle the proposal of the Nigerian National Committee on Irrigation and Drainage (NINCID) to host the 6th African Regional Conference and requested them to submit a formal and detailed proposal in this regard following the due procedures laid down for hosting ICID events.

59. The French National Committee (AFEID) has expressed its desire to host 78th IEC and 26th International Congress on Irrigation and Drainage in Marseille, France in June 2026. The Council requested AFIED to submit a formal and detailed proposal in this regard following the due procedures laid down for hosting ICID events. Formally, the Council has approved the proposal of AFEID.

60. The Council also noted that ICID Central Office has invited proposals from NCs for hosting the following future ICID events and no proposal has been received till the IEC meeting in session:

- (a) 1st American Regional Conference (Nov / Dec 2024 onwards)
- (b) 11th International Micro Irrigation Conference (Jan 2025 onwards)
- (c) 79th IEC + Regional Conferences (2027 onwards)
- (d) 80th IEC and WIF6 (2028 onwards)
- (e) 81st IEC and 27th Congress (2029 onwards)

61. The Council asked the Central Office to invite proposals for the above events and requested NCs to come forward to host these future events.

IEC Minutes Item 12: Election of the Office-Bearers 2022-2025

62. The Council was informed that, as per the provisions of Articles 7.2.3 and 7.2.4 of the ICID Constitution, the three-year term ((2019-2022) of three Vice Presidents, viz. Dr. Mochammad Amron (Indonesia), Prof. Dr. Hesham Mostafa Mohamed Ali (Egypt) and Dr. Shavkat Rakhimovich Khamraev (Uzbekistan) will conclude at the end of the 73rd IEC meeting at Adelaide, Australia and its appurtenant study tours.

63. The Council noted that in response to the Central Office's circular inviting nominations for the positions of Vice Presidents for the term 2022-2025, only one nomination of Mr. Kushvinder Vohra (India) was received in the Central Office by due date of receipt of nomination from National Committees of ICID, i.e. 9 June 2022 in compliance with ICID By-laws 2.3.1.

64. In exercise of ICID By-law 2.5 – Nomination by President, the nomination for the position of Vice President can be received up to one month prior to the IEC meeting. Accordingly, the nominations for the remaining two positions of Vice Presidents were invited from AFEID and SANCID. In response, AFEID nominated Mr. Bruno Grawitz (France) and SANCID nominated Prof. Sylvester Mpandeli (South Africa) for the position of Vice President, ICID for the term 2022-2025.

65. Since there were only three candidates for three vacant positions of Vice Presidents, the Council decided to hold the voting to determine the seniority of the Vice Presidents in accordance with ICID By-laws 2.8. Based on the voting, Mr. Bruno Grawitz (France), Prof. Sylvester Mpandeli (South Africa) and Mr. Kushvinder Vohra (India) have been declared as Vice Presidents elected in the order of their seniority for the term 2022-2025. As per Article 7.2.4, of ICID Constitution, the term of VPs elected at the 73rd meeting shall begin at the conclusion of the present Council meeting and its appurtenant study tours and expire at the conclusion of the Council meeting and its appurtenant study tours in the year 2025.

66. President Prof. Dr. Ragab congratulated the newly elected Vice Presidents and expressed his happiness in the transparent and confidential manner, the elections were conducted.

IEC Minutes Item 13: Presentation of ICID Plaques to Retiring Vice Presidents and Chairs of Workbodies

IEC Minutes Item 13.1: Retiring Vice Presidents

67. Citation plaques were presented to the retiring three Vice Presidents -- Dr. Mochammad Amron (Indonesia), Prof. Dr. Hesham Mostafa Mohamed Ali (Egypt) and Dr. Shavkat Rakhimovich Khamraev (Uzbekistan) -- for their services and guidance to the ICID activities during their tenure 2019-2022.

IEC Minutes Item 13.2: Retiring Chairs of Workbodies

68. Citation plaque was presented to Mr. Bryan Ward (Australia), retiring Chairman of C-CONGR (2018-22) for his commendable guidance to the activities of the Committee during his term of office as its Chairman.

IEC Minutes Item 14: Any other business by the permission of the Chair

69. The President declared the 73rd IEC meeting closed.



RESOLUTION IEC-1/73 [IEC Item 9.5, Para 44]**INTERNATIONAL EXECUTIVE COUNCIL (IEC)
RESOLUTION IEC-1/73: FINANCIAL MATTERS OF ICID****THE Council**

Accepting the Report of the Chair of the Permanent Finance Committee;

Noting further the report of the Statutory Auditors M/s Tarun Kandhari & Co. LL.P.; and

Considering the recommendation of the Management Board;

Decides Unanimously

1. To approve the nomination of Mr. Toru Okuda (Japan) as the member of PFC.
2. That the individuals and companies listed below, accorded the provisional membership by the Direct Membership Administering Sub-Committee be admitted as members of ICID for the periods for which they have paid subscription.
 - (a) Mr. Aariz Ahmed (India, Individual, Young Professional, 1 year)
 - (b) Mr. Aloysius Mubangizi (Uganda, Individual, Young Professional, 3 years)
 - (c) M/s Vassar Labs (Company, India) – subject to payment of subscription
 - (d) Mr. Celso Miguel Abdala Tamela (Mozambique, Individual) – subject to payment of subscription
 - (e) Mr. Thibaul T. Simon (Cambodia, Individual, Young Professional) – subject to payment of subscription
 - (f) Mr. Ebissa Gadissa Kedir (Rwanda, Individual, Young Professional) – subject to payment of subscription
 - (g) Dr. Erion Bwambale (Uganda, Individual, Young Professional) – subject to payment of subscription
 - (h) Directorate of Irrigation (Institution, Iraq) – subject to payment of subscription
 - (i) Mr. Ahmed Abuzeid (Germany, Individual, Young Professional, 3 years) – subject to payment of subscription
 - (j) Mr. Mirajuddin Noorzada (Afghanistan, Individual Life Membership) – subject to payment of subscription
3. That the National Committees with arrears of more than two years, viz. Iraq, Ireland, Malawi, Netherlands, Sudan and USA be debarred from holding any office from of VP or member of workbody from 1st January 2023, if they do not clear their dues by 31st December 2022 in accordance with ICID By-law 13.1.
4. That the National Committees of Afghanistan, Croatia, Fiji, Mali, Mexico, Romania, Slovenia, Somalia, Ukraine, and Vietnam be declared as “Associate Members” with effect from 1 January 2023, if they do not clear their dues by 31st December 2022 under By-law 13.2.
5. To approve the admission of Jamaica, Laos PDR and Niger as members of ICID in accordance with ICID By-law 9 governing application for membership.
6. To approve the Audited Accounts of ICID for the Financial Year 2021-22 as given in **Annex R1.1, page 15**.
7. To approve the Revised Budget of ICID for the Financial Year 2022-23 and the Budget for the financial year 2023-24 as given in **Annex R1.2, page 21**.
8. To approve the Registration Fee Structure/revised fee structure for the WIF4 & 74th IEC, Beijing China in April 2023; 25th Congress & 75th IEC, Vishakhapatnam, India in November 2023; 10th IMIC, Dakala, Morocco in January 2023; 14th IDW, Dushanbe, Tajikistan in 2024 as given in **Annex R1.3, page 23**.
9. To approve in principle organization of 6th African Regional Conference in Nigeria in 2025 and 26th Congress & 78th IEC in Marseille, France in 2026.

10. To approve the setting up of a Task Force to look into overall sustainability of ICID including financial sustainability of ICID on a long-term basis. The mandate and composition of the TF may be decided by President in consultation with the Secretary General, who will act as member-secretary of the TF. PFC and TF may examine the progress on a regular basis and evolve dynamic strategies on a regular basis to ensure the sustainability of ICID.
11. To approve the suggestion by PFC that Presidents Honoraire of ICID be exempted from the ICID event's registration fees.
12. To defer the inflation-related increase in membership subscription to 2024 taking into account the impact of COVID-19 on income of the NC's.

Appreciates

1. The NC of Morocco for contributing the appropriate share of registration fee for partially held 72nd IEC meeting at Marrakech, Morocco, to the ICID Budget.
2. Japanese NC for contributing US\$ 5000 during the financial year 2021-22 as a special subscription for technical support to YP Activities.
3. Chinese NC for contributing ____ during the financial year 2021-22 as a special subscription for technical support to YP Activities.



RESOLUTION IEC-2/73 [IEC Item 9.5, Para 44]**INTERNATIONAL EXECUTIVE COUNCIL (IEC)****RESOLUTION IEC-2/73: ORGANISATIONAL AND TECHNICAL MATTERS OF ICID****THE Council**

Accepting the reports and recommendations of the Chairs of the Permanent Committees on Strategy & Organization and Technical Activities.

Considering the endorsement by the Management Board; and

Decides unanimously

1. To approve the membership changes of various work bodies of PCSO and PCTA (*to be prepared as an outcome of PCTA and PCSO recommendations*).
2. To approve the setting of TF-WWF10 to provide ICID inputs to 10th World Water Forum in 2024.
3. To approve the closure of TF-WWF9 which has successfully completed its mandate.
4. To approve the setting up of a Task Force to review the mandates and outcomes of the WGs. The TF may recommend the new structure and mandates of WGs in line with the demands of the sector and in consultation with WG members and Chairs. The TF may prepare a strategic plan which may be reviewed at the next IEC meeting.
5. To approve an expert group under Task Team on Trans Boundary AWM on Aral Sea to support efforts of Uzbekistan to transform Aral Sea region into a zone of ecological innovations and technologies.
6. To approve the organization of the 78th IEC and 26th ICID Congress in June 2026, Marseille, France.

Appreciates

1. The efforts of ANAFIDE and KCID for their support in bringing Niger and Lao PDR to the membership of ICID.
2. The offer of South Africa for bringing in membership of SADEC region countries through bilateral arrangements.
3. The promotion and setting up of African YP Group and nurturing the same by VPH Dr. Mohamed Wahba.
4. The interest of NINCID for utilizing services of ICID for knowledge building for TRIMING project.
5. The increasing cooperation with International Organizations and collaborative activities undertaken during the year 2021-22.



INDEPENDENT AUDITOR'S REPORT**Tarun Kandhari & Co LLP
Chartered Accountants (Registered)**

To

The Members of the International Executive Council
International Commission on Irrigation and Drainage (ICID-CIID)
New Delhi

Report on Financial Statements

We have audited the accompanying financial statements of **International Commission on Irrigation and Drainage (ICID-CIID) ("the society"- PAN AAAAI1084P)**, which comprise the Balance Sheet as at 31st March 2022, Income & Expenditure, Receipt and Payment for the year then ended and other explanatory information.

Management Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and receipt and payments, of the society in accordance with accounting principles generally accepted in India for Not-for-Profit Organizations.

This responsibility includes the design, implementation, and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Society's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

Further we report that, in our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

1. In the case of Balance Sheet, of the state of affairs of the Society as at March 31, 2022; and
 2. In the case of Income and Expenditure Account, of the excess of Expenditure over income for the year ended on that date; and
 3. And in case of the Receipts and Payments Account, of the Receipts and Payments for the year ended on that date, we report that:
- (a) We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.

- (b) In our opinion proper books of accounts as required by law have been kept by the ICID, so far as appears from our examination of those books.
- (c) The Balance Sheet, Income and Expenditure Account, and Receipt and Payment account dealt with by this report are in agreement with the books of account.
- (d) In our opinion, the Balance Sheet, Income and Expenditure account, comply with the relevant Accounting Standards.

Place: New Delhi
Date: 05th July 2022

For **Tarun Kandhari & Co LLP**
Chartered Accountants
FRN: 0061108C/N500042

Sd/-
Doel Khemka
Partner
Membership No. 301033
UDIN – 22301033AMGTQK4477

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
BALANCE SHEET AS ON 31ST MARCH 2022**

| PARTICULARS | | 2021-22 Amount INR | 2020-21 Amount INR |
|--|--------------------------|-----------------------|-----------------------|
| ASSETS | | | |
| Property & Equipment | 1 | 9,489,010 | 9,743,228 |
| Receivables | 2 | 34,154,335 | 27,089,168 |
| Bank Balances & Cash in Hand | 3 | 66,104,740 | 106,823,971 |
| | Total Assets | 109,748,085 | 143,656,367 |
| LIABILITIES | | | |
| Gulhati Memorial Lecture Fund | 4 | 430,235 | 408,144 |
| General Fund | 5 | 62,964,320 | 88,589,931 |
| Gratuity Fund | 6 | 11,784,849 | 11,443,361 |
| Leave Encashment Fund | 7 | 9,099,308 | 7,979,136 |
| Corpus Fund-WID Prizes | 8 | 2,992,489 | 2,835,175 |
| Support to African (AFYPF) – YP Training | | 1,074,232 | 1,074,232 |
| Security from Tenant | 9 | 4,007,404 | 14,729,400 |
| Unrealized Subscription | 10 | 13,931,869 | 13,583,190 |
| Sundry Creditor, Payables & Provisions | 11 | 2,993,110 | 2,148,240 |
| Duties & Taxes Payable | 12 | 470,269 | 865,557 |
| | Total Liabilities | 109,748,085 | 143,656,367 |

As per our separate Report of even date attached

For and on behalf of
International Commission on Irrigation and Drainage (ICID)

For Tarun Kandhari & Co. LLP
Chartered Accountants
Firm Registration No. 0061108C/N50042

Sd/-
Doel Khemka
Partner
Membership No. 301033
UDIN – 22301033AMGTQK4477

Sd/-
Balasaheb Anantrao Chivate
Director (Technical)

Sd/-
Ashwin Kumar Balvantray Pandya
Secretary General

Places: New Delhi
Dated: 05th July 2022

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2021 TO 31ST MARCH 2022**

| PARTICULARS | | 2021-22 Amount INR | 2020-21 Amount INR |
|--|----|-----------------------|-----------------------|
| Income | | | |
| Membership & Subscriptions | 13 | 20,115,276 | 17,539,280 |
| Sale of Publication | 14 | 1,212,913 | 1,664,469 |
| Special Contribution to the Budget | 15 | — | 8,409,256 |
| Interest on Fixed Deposits | 16 | 4,155,770 | 6,141,364 |
| Other Incomes | 17 | 1,285,866 | 381,161 |
| Rent and Provision of Services on Let Out Property | | 10,580,306 | 58,136,988 |
| Special Subscriptions | 18 | 379,013 | 1,134,204 |
| Total | | 37,729,144 | 93,406,722 |
| Expenditure | | | |
| Compensation for Secretary General | 19 | 463,4100 | 4,253,097 |
| Salaries & Allowances | 20 | 30,837,758 | 26,548,822 |
| Superannuation Relief to Retd. Employees | | 4,649,290 | 3,977,217 |
| Service & Maintenance | 21 | 648,1005 | 5,231,964 |
| Taxes and Utilities | 22 | 2,750,424 | 18,233,055 |
| Rehabilitation or Refurbishing and Maintenance of ICID Central Office Building | 23 | 1,363,345 | 634,019 |
| Publication, Knowledge Management and Dissemination | 24 | 4,707,398 | 4,601,016 |
| Conference Expenditure | 25 | 250,191 | 768,097 |
| Cooperation with Other Organization | | 22,184 | 22,181 |
| Travel Expenditure | 26 | 1,656,137 | — |
| Depreciation on Fixed Assets | 1 | 1,289,820 | 1,269,741 |
| Workshop, Training and Studies | 27 | 937,883 | 1,225,492 |
| Other Expenditure | 28 | 2,313,561 | 1,063,990 |
| Excess of Income over Expenditure | | (24,163,951) | 25,578,029 |
| Total | | 37,729,144 | 93,406,722 |

As per our separate Report of even date attached

For and on behalf of
International Commission on Irrigation and Drainage (ICID)

For Tarun Kandhari & Co. LLP

Chartered Accountants

Firm Registration No. 0061108C/N50042

Sd/-

Doel Khemka

Partner

Membership No. 301033

UDIN – 22301033AMGTQK4477

Sd/-

Balasaheb Anantrao Chivate

Director (Technical)

Sd/-

Ashwin Kumar Balvantray Pandya

Secretary General

Places: New Delhi

Dated: 05th July 2022

**INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE
RECEIPT AND PAYMENT ACCOUNT
FOR THE YEAR FROM 1ST APRIL 2021 TO 31ST MARCH 2022**

| PARTICULARS | | 2021-22 (Rs.) | 2020-21 (Rs.) |
|--|----|--------------------|--------------------|
| RECEIPTS | | | |
| Cash & Banks (Balance Brought Forward) | 29 | 10,682,3971 | 98,004,604 |
| Membership Subscriptions | 30 | 15,418,323 | 14,747,935 |
| Sale of Publications | 31 | 1,213,652 | 1,664,469 |
| Special Contribution to the Budget | 32 | — | 8,409,256 |
| Interest on Fixed Deposits | 33 | 4,213,545 | 5,235,295 |
| Special Subscription | | 379,013 | 11,34,204 |
| Other Receipts | 34 | 693,627 | 341,015 |
| Rent and Provision of Services on Let Out Property | | 9,522,274 | 58,136,988 |
| Income Tax Refund | 35 | 418,654 | 1,575,251 |
| Total | | 138,683,059 | 189,249,018 |
| PAYMENTS | | | |
| Compensation package for Secretary General | | 4,634,100 | 4,253,097 |
| Salaries and Allowances | 36 | 28,949,860 | 26,898,330 |
| Superannuation Relief to Retired Employees | | 4,649,290 | 3,977,217 |
| Services & Maintenances | 37 | 6,104,434 | 5,539,277 |
| Taxes and Utilities | 38 | 3,990,194 | 18,251,674 |
| Rehabilitation or Refurbishing and Maintenance of ICID CO Building | 39 | 1,363,345 | 616,919 |
| Publications, Knowledge Management and Disseminations | 40 | 4,450,511 | 4,501,920 |
| Conference Expenditure | 41 | 250,191 | 845,977 |
| Travel Expenditure | 42 | 1,656,137 | --- |
| Workshops, Trainings and Studies | 43 | 1,003,621 | 1,287,337 |
| Purchase of Fixed Assets | 44 | 1,037,092 | 692,234 |
| Other Payments | 45 | 14,489,544 | 15,561,065 |
| Cash & Banks (Balance Carry Forward) | 29 | 66,104,740 | 106,823,971 |
| Total | | 138,683,059 | 189,249,018 |

As per our separate Report of even date attached

For and on behalf of
International Commission on Irrigation and Drainage (ICID)

For Tarun Kandhari & Co. LLP

Chartered Accountants

Firm Registration No. 0061108C/N50042

Sd/-

Doel Khemka

Partner

Membership No. 301033

UDIN – 22301033AMGTQK4477

Sd/-

Balasaheb Anantrao Chivate

Director (Technical)

Sd/-

Ashwin Kumar Balvantray Pandya

Secretary General

Places: New Delhi

Dated: 05th July 2022

**PROPOSED REVISED BUDGET 2022-2023 AND PROPOSED BUDGETS 2023-2024,
PRELIMINARY BUDGET 2024-2025 AND FORECAST BUDGET 2025-2026**

| | | Proposed Revised Budget 2022-2023 | Proposed Budget 2023-2024 | Proposed Preliminary Budget 2024-2025 | Proposed Forecast Budget 2025-2026 |
|-----------|---|-----------------------------------|---------------------------|---------------------------------------|------------------------------------|
| | | ₹ | ₹ | ₹ | ₹ |
| I | RECEIPTS | | | | |
| | 1. Membership Subscriptions | 27,450,038 | 28,760,598 | 22,073,806 | 22,173,806 |
| | 2. Sale of Publications | 1,269,000 | 1,330,950 | 1,395,975 | 1,464,300 |
| | 3. Special Contribution to ICID Budget | 18,922,000 | 8,199,875 | 19,933,750 | 15,000,000 |
| | 4. Interest on Fixed Deposits | 1,500,000 | 2,050,000 | 2,600,000 | 4,500,000 |
| | 5. Other Receipts | 1,501,934 | 1,452,163 | 265,000 | 265,000 |
| | 6. Rent and Maintenance Charges | 26,000,000 | 48,000,000 | 48,000,000 | 52,680,000 |
| | | 76,642,972 | 89,793,586 | 94,268,531 | 96,083,106 |
| II | EXPENDITURE | | | | |
| | 1. Compensation Package for Secretary General | 4,972,500 | 5,302,500 | 5,692,500 | 6,142,500 |
| | 2. Salaries and Allowances | 32,176,521 | 31,993,500 | 36,973,170 | 43,686,636 |
| | 3. Superannuation Relief to Retired Employees | 5,316,261 | 5,716,261 | 6,216,261 | 6,816,261 |
| | 4. Service & Maintenance | 11,205,090 | 6,952,000 | 7,047,000 | 7,152,000 |
| | 5. Taxes & Utilities | 10,604,133 | 18,360,000 | 18,360,000 | 20,091,600 |
| | 6. Rehabilitation, Refurbishing and Maintenance of ICID CO Building | 650,000 | 800,000 | 800,000 | 800,000 |
| | 7. Publication, Knowledge Management and Dissemination | 4,542,125 | 5,169,000 | 5,405,600 | 5,752,300 |
| | 8. Conference Expenditure | 3,950,000 | 1,400,000 | 3,200,000 | 1,400,000 |
| | 9. Cooperation with Other Organisations | 80,000 | 50,000 | 50,000 | 80,000 |
| | 10. Travel Expenditure | 1,100,000 | 1,100,000 | 700,000 | 700,000 |
| | 11. Fixed Assets | 350,000 | 540,000 | 500,000 | 600,000 |
| | 12. Workshops, Training and Studies | 664,510 | 1,550,000 | 1,550,000 | 1,550,000 |
| | 13. ICID Service Unit (ISU) | - | - | - | - |
| | 14. Other Expenditure | 1,210,000 | 915,000 | 915,000 | 915,000 |
| | TOTAL EXPENDITURE | 76,821,140 | 79,848,261 | 87,409,531 | 95,686,297 |
| | Surplus (Deficit) | -178,168 | 9,945,325 | 6,859,000 | 396,809 |



REGISTRATION AND FEE STRUCTURES FOR THE FORTHCOMING ICID EVENTS

A. Registration Fee Structure for ICID Events in Beijing, and Dakhla, 2023

| Venue / Year | Beijing, China, April 2023 | | Dakhla, Morocco, January 2023 |
|--|----------------------------|---------|-------------------------------|
| Event | 74th IEC and 4th WIF | 4th WIF | 10 th MIC |
| Full Registration/Foreign Delegates | \$ 800 | \$ 700 | \$ 350 |
| Non-Member Fee | \$ 900 | \$ 800 | -- |
| Young Professional (International) | \$ 400 | \$ 350 | \$ 200 |
| Young Professional (Local)/Student | -- | \$ 350 | \$ 150 |
| Local Delegates | -- | \$ 500 | \$ 200 |
| Retired Professionals | \$ 400 | \$ 350 | \$ 250 |
| Accompanying Persons | -- | \$ 300 | \$ 200 |
| Daily Registration | -- | \$ 200 | |
| Delegates from Low Income (LIC) | -- | -- | \$ 200 |
| Early Bird Discount US\$ 50 / 25 (for YPs and Retired professionals) | | | |

B. Registration Fee Structure for 74th IEC and 25th ICID International Congress, 2023

| REGISTRATION FEE STRUCTURE (US\$) | | | |
|--|--|------------------|------------|
| Venue / Year | Vishakhapatnam, Andhra Pradesh, India, November 2023 | | |
| Event | 75 th IEC + 25 th Congress | | |
| | | After Early Bird | Early Bird |
| Member Countries | Congress + Council | \$750 | \$700 |
| | Congress only | \$450 | \$400 |
| | IEC only | \$400 | \$350 |
| Non-Member Fee | Congress + Council | \$850 | \$750 |
| | Congress only | \$500 | \$450 |
| | IEC only | \$450 | \$400 |
| Young Professionals (Below 40 years / Retired Professional) | Congress + Council | \$375 | \$350 |
| | Congress only | \$200 | \$175 |
| | IEC only | \$200 | \$175 |
| Local Delegates | Congress + IEC | \$250 | \$225 |
| Student Registration | Congress Only | \$200 | \$175 |
| Accompanying Persons | Congress + IEC | \$250 | \$225 |
| | Congress Only | \$200 | \$175 |
| | IEC Only | \$175 | \$150 |

C. Registration Fee Structure for 14th International Drainage Workshop (IDW), 2023

| Venue / Year | Dushanbe, Tajikistan, September 2023 |
|-------------------------------------|--------------------------------------|
| Event | 14 th IDW |
| Full Registration/Foreign Delegates | \$ 400 |
| Non-Member Fee | \$ 500 |

| Venue / Year | Dushanbe, Tajikistan, September 2023 |
|------------------------------------|--------------------------------------|
| Event | 14th IDW |
| Young Professional (International) | \$ 200 |
| Young Professional (Local)/Student | |
| Local Delegates | -- |
| Retired Professionals | \$ 200 |
| Accompanying Persons | \$ 150 |
| Daily Registration | -- |
| Delegates from Low Income | -- |

D. Registration Fee Structure for 76th IEC + 9th Asian Regional Conference (ARC), 2024

| REGISTRATION FEE STRUCTURE (US\$) | | | |
|-----------------------------------|---------------------------------------|------------------|------------|
| Venue / Year | Sydney, Australia, September 2024 | | |
| Event | 76 IEC + 9th ARC | | |
| | | After Early Bird | Early Bird |
| Member Countries | Regional Conf. / IMIC / IDW + Council | \$ 880 | \$ 825 |
| | Regional Conf. / IMIC / IDW only | \$ 715 | \$ 660 |
| Non-Member Fee | Regional Conf. / IMIC / IDW + Council | \$ 990 | \$ 935 |
| | Regional Conf. / IMIC / IDW only | \$ 825 | \$ 770 |
| Young/Retired Professionals | Regional Conf. / IMIC / IDW + Council | \$ 440 | \$ 385 |
| | Regional Conf. / IMIC / IDW only | \$ 220 | \$ 165 |
| Local Delegates | Regional Conf. / IMIC / IDW only | \$ 760 | \$ 720 |
| Student Registration | Regional Conf. / IMIC / IDW only | \$ 165 | \$ 110 |
| Daily Registration | Regional Conf. / IMIC / IDW only | \$ 220 | \$ 220 |
| Accompanying Persons | Regional Conf. / IMIC / IDW + Council | \$ 330 | \$ 275 |
| | Regional Conf. / IMIC / IDW only | \$ 220 | \$ 165 |

E. Registration Fee Structure for 77th IEC + 5th World Irrigation Forum (WIF), 2025

| REGISTRATION FEE STRUCTURE (US\$) | | | |
|-----------------------------------|-------------------------------|------------------|------------|
| Venue / Year | Putrajaya, Malaysia, May 2025 | | |
| Event | 77 IEC + 5 WIF | | |
| | | After Early Bird | Early Bird |
| Member Countries | WIF/Congress + Council | \$ 800 | \$ 750 |
| Non-Member Fee | WIF/Congress + Council | \$ 900 | \$ 850 |
| Young/Retired Professionals | WIF + Council | \$ 400 | \$ 380 |
| Local Delegates | WIF/Congress | \$ 200 | \$ 150 |
| Student Registration | WIF/Congress | \$ 150 | \$ 100 |
| Daily Registration | WIF/Congress | \$ 200 | -- |
| Accompanying Persons | WIF + Council | \$ 300 | \$ 250 |



**LIST OF PARTICIPANTS AT THE
73rd INTERNATIONAL EXECUTIVE COUNCIL (IEC) MEETING
10 October 2022, Adelaide, Australia**

(A) OFFICE BEARERS**President**

1. Prof. Dr. Ragab Ragab (United Kingdom)

Vice Presidents

2. Dr. Mochammad Amron (Indonesia)
3. Eng. Rafat Nael Al-Intaki (Iraq)
4. Prof. Dr. Tsugihiko Watanabe (Japan)
5. Dr. Shavkat Rakhimovich Khamraev (Uzbekistan)

Secretary General

6. Er. Ashwin B. Pandya (India)

(B) CHAIRPERSONS OF PERMANENT COMMITTEES

1. Vice President Dr. Marco Arcieri (Italy), PFC
2. Vice President Prof. Dr. Tsugihiko Watanabe (Japan), PCTA
3. Vice President Dr. Mochammad Amron (Indonesia), PCSO

(C) PAST PRESIDENTS

1. Ir. Keizrul bin Abdullah (Malaysia)
2. Prof. Dr. Bart Schultz (The Netherlands)
3. Mr. Peter S. Lee (United Kingdom)

(D) PAST VICE PRESIDENTS

1. Dr. Ding Kunlun (China)
2. Dr. Mohamed Abd-El-Moneim Wahba (Egypt)
3. Dr. Laszlo G. Hayde (Hungary)
4. Dr. K. Yella Reddy (India)
5. Dr. A. Hafied A. Gany (Indonesia)
6. Dr. Marco Arcieri (Italy)
7. Er. Naoki Hayashida (Japan)
8. Eng. I.K. Musa (Nigeria)
9. Mr. Waseem Nazir (Pakistan)
10. Dr. Irena G. Bondarik (Russia)
11. Mr. Chaiwat Prechawit (Thailand)
12. Mr. Ian Makin (United Kingdom)
13. Mr. Franklin E. Dimick (USA)

(E) NATIONAL COMMITTEES / COMMITTEE

- | | |
|--|-----------|
| 1. Mr. Bryan Ward, Mr. David Cameron, Mr. Michael Scobie, Mr. Momir Vranes | Australia |
| 2. Mr. Hakibum Tanku | Canada |
| 3. Mr. Gao Lihui, Ms Li Ruoxi, Dr. Wu Wenyong | China |
| 4. Dr. Mohamed Abd El-Moneim Wahba | Egypt |
| 5. Mr. Bruno Grawitz | France |
| 6. Dr. Laszlo G. Hayde | Hungary |

| | | |
|-----|---|-----------------------------|
| 7. | Mr. Kushvinder Vohra, Mr. Rishi Srivastava | India |
| 8. | Ms Maria Christina, Prof. Budi Santoso Wignyosukarto | Indonesia |
| 9. | Eng. Nissreen Sami Tarkhan, Mr. Basim Khalat | Iraq |
| 10. | Dr. Marco Arcieri | Italy |
| 11. | Mr. Daisuke Imamura, Mr. Hiromichi Kitada, Dr. Masaomi Kimura; Ms Nana Ishikawa (Horii), Dr. (Mrs.) Naoko Koshiyama, Mr. Toru Okuda, Dr. Toshihiko Kuno | Japan |
| 12. | Mr. Mukhlis Bin Zainal Abidin, Mr. Mohaad Radzi Bin Abdul Talib | Malaysia |
| 13. | Prof. El. Houssine Bartali | Morocco |
| 14. | Engr. Aminat Joy Muhammed, Mr. Olalemi V.N., Engr. Peter Henry Sule, Mr. Saliu Ahmed | Nigeria |
| 15. | Dr. Mohammad Mohsin Hafeez | Pakistan |
| 16. | Dr. Mona Liza Delos Reyes | Philippines |
| 17. | Mr. Evgenii Ratkovich | Russia |
| 18. | Mr. Muataz Alhad Laq, Ms Sara Algrilang, Prof. Lebdi Fethi | Saudi Arabia |
| 19. | Mr. Siboniso Philip Mkhaliphi; Prof. Dr. Sylvester Mpandeli | South Africa |
| 20. | Mr. Kang-Won Choi, Mr. Sang-Won Lee | South Korea |
| 21. | Eng. M.D. Janaka Priyantha Wickramasooriya | Sri Lanka |
| 22. | Dr. Bahrom Gaforzoda | Tajikistan |
| 23. | Miss Chitchaya Tissaro, Mr. Satit Maneepai, Mr. Watchara Suiadee | Thailand |
| 24. | Prof. Dr Bart Schultz | The Netherlands |
| 25. | Mr. Ahmet Seren; Dr. Aynur Fayrap | Turkey |
| 26. | Mr. Ian Makin | United Kingdom |
| 27. | Mr. Franklin E. Dimick | USA |
| 28. | Dr. Ray-Shyan Wu and Dr. Tony Chih-Sheng Chen | Chinese Taipei Committee |

(F) ASSOCIATE MEMBER

| | | |
|----|-----------------------|----------|
| 1. | Eng. Bezzel Chitsungo | Zimbabwe |
|----|-----------------------|----------|

(H) OBSERVERS

| | | |
|----|---|-------|
| 1. | Dr. Basavaraj Y. Bandhivaddar, Dr. Indudhar Hiremath, Mr. Lal Bahadur Roy | India |
| 2. | Mr. Hanan Hussein Abbood Al-Timemy (Iraq) | |



**IMPORTANT DECISIONS TAKEN BY THE MANAGEMENT BOARD ON BEHALF OF IEC
BETWEEN
72nd IEC MEETING (MARRAKESH, MOROCCO, 26 NOVEMBER 2021
AND VIRTUALLY BY ICID CO ON 15-16 DECEMBER 2021)
AND
73rd IEC MEETING (ADELAIDE, AUSTRALIA, OCTOBER 2022)
(And the actions taken thereon)**

| Decisions by the MB Meetings | Decision of 73 rd IEC |
|--|----------------------------------|
| Management Board Meeting No.1/22, 04 May 2022 (Via Zoom Meeting) | |
| (a) MB appreciated the willingness of TajNCID to host the 14th International Drainage Workshop, Dushanbe, Tajikistan, September 2023, yet expressed its concern over scheduling a number of ICID events – including two flagship events of ICID – WIF and Congress – in a single year, which may result in the decreased participation at the events among other shortcomings on account of it. MB asked the PFC, which was scheduled to meet in July 2022, to review the situation and take a decision accordingly. | Endorsed. |
| (b) MB decided to extend the grace period granted by Resolution IEC-1/72 till 30 June 2022 to clear the dues by NCs in arrears of membership subscription and asked PFC to review the situation thereafter, when it will meet in July 2022. The decision was In view of the COVID-19 pandemic situation in the first quarter of 2022 and also the ongoing Russia-Ukraine conflict. | Endorsed. |
| (c) MB approved the composition of Task Force to Guide the Partnership Process (TF-GPP) towards organizing a High Level Advisory Group (HLAG) meeting during WIF-4 in Beijing, China in April 2023 after following due process. | Endorsed. |
| (d) MB approved the signing of the MoU with International Association for Agricultural Sustainability (IAAS), which is scheduled during 10 th IMIC at Dakhla, Morocco in January 2023. | Endorsed. |
| (e) MB concurred with the decision of ICID becoming a member of World Historic and Cultural Canal Cities Cooperation Organization (WCCO) with effect from 2022. | Endorsed. |
| (f) MB granted its approval to the submission of the confirmation of ICID's Membership in World Federation of Young Scientists (WFYS) which was sent to CNCID on 21 April 2022 for its onward submission. | Endorsed. |



**MEMBERSHIP OF VARIOUS WORKBODIES
(As Updated During 73rd IEC)**

I. PERMANENT FINANCE COMMITTEE (PFC)

| No. | Members | Country | Remarks |
|-----|-----------------------------|------------|-------------------------------|
| 1. | VPH Dr. Marco Arcieri | Italy | Chair (2020) Member (2017) |
| 2. | Prof. Mohamed Benmoussa | Morocco | Member (2018) |
| 3. | Mr. Abdul Malik Sadat Idris | Indonesia | Member (2018) |
| 4. | Mr. Delbert M. Smith, P.E. | USA | Member (2019) |
| 5. | Mr. Gao Lihui | China | Member (2019) |
| 6. | Mr. Bryan Ward | Australia | Member (2020) |
| 7. | Mr. Md. Mahmud Rahman | Bangladesh | Member (2020) |
| 8. | VPH Dr. K. Yella Reddy | India | Member (2021) |
| 9. | Mr. Toru Okuda | Japan | Member (2022) |
| 10. | Er. Ashwin B. Pandya | India | Member - Secretary |

II. PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)

| No. | Members | Country | Remarks |
|-----|---|----------------|-------------------------|
| 1. | Vice President Hon. Dr. Mochammad Amron | Indonesia | Chair (2021), Member |
| 2. | Vice President Hon. Dr. Hesham Mostafa Mohamed Ali | Egypt | Member |
| 3. | Vice President Hon. H.E. Dr. Shavkat Rakhimovich Khamraev | Uzbekistan | Member |
| 4. | Vice President Prof. Choi, Jin-Yong | Korea, Rep. of | Member |
| 5. | Vice President Dato' Ir. Nor Hisham bin Mohd Ghazali | Malaysia | Member |
| 6. | Vice President Eng. Rafat Nael Al-Intaki | Iraq | Member |
| 7. | Vice President Dr. Tsugihiko Watanabe | Japan | Member |
| 8. | Vice President Mr. Aziz Fertahi | Morocco | Member |
| 9. | Vice President Mr. Ali Reza Salamat | Iran | Member |
| 10. | Vice President Mr. Bruno Grawitz | France | Member |
| 11. | Vice President Prof. Dr. Sylvester Mpandeli | South Africa | Member |
| 12. | Vice President Mr. Kushvinder Vohra | India | Member |

| No. | Members | Country | Remarks |
|-----|---|---------|--------------------|
| 13. | Eng. Ms. Aya Mohammed Hassan Ali Elkholy, Coordinator, IYPeF | Egypt | Member |
| 14. | Secretary General, ICID | ICID CO | Member-Secretary |
| 15. | FAO representative | | Permanent Observer |
| 16. | World Bank representative | | Permanent Observer |
| 17. | GWP representative | | Permanent Observer |
| 18. | WWC representative | | Permanent Observer |
| 19. | Chairpersons of all Regional Working Groups and Working Groups/Committees under PCSO. | | Ex-Officio Members |

II.A. Membership Status of Working Groups under PCSO

| II.1 — AFRWG | | | |
|--------------|---|--------------|---------------|
| No. | Members | Country | Remarks |
| 1. | VPH Dr. M.S. Wahba | Egypt | Chairman |
| 2. | VP Prof. Dr. Sylvester Mpandeli | South Africa | Vice Chairman |
| 3. | Eng. Ismael Elhassanoui | Morocco | Secretary |
| 4. | Mr. Jean Bernard Dambre | Burkina Faso | Member |
| 5. | Mrs. Salamata Karambiri MIWENDE | Burkina Faso | Member |
| 6. | VPH Dr. Samia El-Guindy | Egypt | Member |
| 7. | Eng. (Ms.) Omnia Hassan Ahmad Salem – Young Professional | Egypt | Member |
| 8. | Representative | Malawi | Member |
| 9. | Representative | Mali | Member |
| 10. | Eng. (Ms.) Sara BOULARBAH – Young Professional | Morocco | Member |
| 11. | Eng. (Ms.) (Ms.) El Oumlouki Kaoutar – Young Professional | Morocco | Member |
| 12. | Prof. El-Houssine Bartali | Morocco | Member |
| 13. | Engr. Joe Kwanashie | Nigeria | Member |
| 14. | Engr (Mrs) Esther Oyeronke Oluniyi | Nigeria | Member |
| 15. | Engr M. S. Bala | Nigeria | Member |
| 16. | Engr Inimfon Archibong – Young Professional | Nigeria | Member |
| 17. | Eng. Mohamed Mohamud Abdi | Somalia | Member |
| 18. | Eng. (Ms.) Hind Massoud Hamed Elneel | Sudan | Member |
| 19. | Eng. Marwa Faisal Salman Mohamed – Young Professional | Sudan | Member |

| II.1 — AFRWG | | | |
|---------------------------|--|--------------------|---------|
| No. | Members | Country | Remarks |
| 20. | Dr. Ahmed Elsiddig A. Elshaikh, Direct Member | Sudan | Member |
| 21. | Mr. Mulako Cornelius Sitali | Zambia | Member |
| Permanent Observer | | | |
| 22. | Eng. Elizabeth Mwendwa | Kenya ¹ | |
| 23. | Mr. Joseph Kimani Wandue | Kenya ¹ | |
| 24. | Dr. Elijah Adepoju Aderibigbe | Nigeria | |
| 25. | Engr. A. A. Adenopo | Nigeria | |
| 26. | Engr. Abdullahi Abdulrahman | Nigeria | |
| 27. | Engr. Amali Abraham Amali – Young Professional | Nigeria | |
| 28. | Eng. Omer Yousef | Sudan | |
| 29. | AgWA Representative | | |
| 30. | ARID Representative | | |
| 31. | FAO Representative | | |
| 32. | SARIA Representative | | |
| 33. | World Bank Representative | | |

| II.2 — ASRWG | | | |
|--------------|--|--------------------------|------------|
| No. | Members | Country | Remarks |
| 1. | VP Dr. Tsugihito Watanabe | Japan | Chairman |
| 2. | Dr. Vijay K Labhsetwar | India | Vice Chair |
| 3. | Dr. Aynur Fayrap | Turkey | Secretary |
| 4. | Representative | Afghanistan | Member |
| 5. | Mr. Momir Vranes | Australia | Member |
| 6. | Mr. Bryan Ward | Australia | Member |
| 7. | Dr. Robin Kumar Biswas | Bangladesh | Member |
| 8. | Dr. Nazmun Nahar Karim | Bangladesh | Member |
| 9. | Mr. Dang Ping | China | Member |
| 10. | Ms. Li Ruoxi – Young Professional | China | Member |
| 11. | Dr. Ray-Shyan Wu | Chinese Taipei Committee | Member |
| 12. | Dr. Gwo-Hsing Yu | Chinese Taipei Committee | Member |
| 13. | Mr. Tony Chih-Sheng Chen | Chinese Taipei Committee | Member |
| 14. | Representative | Fiji | Member |
| 15. | Mr. Rajni Kant Agrawal, Direct Member - WAPCOS | India | Member |
| 16. | VP Dr. Mochammad Amron | Indonesia | Member |
| 17. | VP Dr. Karim Shiati | Iran | Member |

| II.2 — ASRWG | | | |
|--------------|---|--------------|---------|
| No. | Members | Country | Remarks |
| 18. | Eng. (Ms.) Shaimaa Shihab Ahmed | Iraq | Member |
| 19. | Eng. (Ms.) Zainab Saleem | Iraq | Member |
| 20. | Mr. Toru Okuda | Japan | Member |
| 21. | Representative | Kazakhstan | Member |
| 22. | Ir. Syed Abdul Hamid bin Syed Shuib | Malaysia | Member |
| 23. | Mr. Mohamad Radzi Bin Abdul Talib | Malaysia | Member |
| 24. | Dr. (Ms.) Mu Mu Than | Myanmar | Member |
| 25. | Mr. Bashu Dev Lohanee | Nepal | Member |
| 26. | Mr. Ahmed Kamal | Pakistan | Member |
| 27. | Representative | Philippines | Member |
| 28. | Representative | Saudi Arabia | Member |
| 29. | Ms. Jeong Min, Ryu - Young Professional | South Korea | Member |
| 30. | Prof. (Ms.) Kyung Sook Choi | South Korea | Member |
| 31. | Eng. W.B. Palugaswewa | Sri Lanka | Member |
| 32. | Eng. (Ms.) Janaki Meegastenna | Sri Lanka | Member |
| 33. | Representative | Tajikistan | Member |
| 34. | Mr. Arthon Suttigarn | Thailand | Member |
| 35. | Mr. Ilkhom Juraev | Uzbekistan | Member |
| 36. | Dr. Dao Trong Tu | Vietnam | Member |

| II.3 —C-CONGR | | | |
|---------------|-------------------------------------|--------------|-----------------------------|
| No. | Members | Country | Remarks |
| 1. | Mr. Kushvinder Vohra | India | Chair |
| 2. | VP Dr. Ding Kunlun | China | CNCID Representative |
| 3. | Pr El Houssine Bartali | Morocco | ANAFIDE Representative |
| 4. | Mr. Momir Vranes | Australia | IACID Representative |
| 5. | VP Dr. K.Y. Reddy | India | INACID representative |
| 6. | Prof. Fethi Lebdi | Saudi Arabia | Saudi Arabia representative |
| 7. | Mr. M.Z. Fatah | Indonesia | INACID Representative |
| 8. | Dr. Bahrom Gaforzoda | Tajikistan | Tajikistan representative |
| 9. | Mr. Rishi Srivastava, Director, CWC | India | Indian representative |
| 10. | Mr. Ahmad Bin Dakur | Malaysia | Malaysian representative |
| 11. | Mr. Bruno Grawitz | France | French representative |
| 12. | Mr. R. Giridhar, Director, INCID | India | Indian representative |
| 13. | Er. B.A. Chivate, Director, ICID | India | ICID Central Office |

¹ Accepted as Observer till the re-activation of the Kenyan NC

| II.4 — ERWG | | | |
|-------------|--|-------------|----------------------|
| No. | Members | Country | Remarks |
| 1. | VPH Dr. Marco Arcieri | Italy | Chair |
| 2. | Mr. Olli-Matti Verta | Finland | Secretary |
| 3. | VPH Irena Bondarik | Russia | |
| 4. | Representative | Netherlands | |
| 5. | Mrs. Inmaculada Bravo Dominguez | Spain | |
| 6. | Mr. Petra Hellemann | Switzerland | |
| 7. | Representative | Slovenia | |
| 8. | Mr. Pedro Eduardo da Cunha Serra | Portugal | |
| 9. | Prof. Dr. Ion Nicolaescu | Romania | |
| 10. | Dr. Davor Romić | Croatia | |
| 11. | Dr. Oliver Nicholason | Ireland | |
| 12. | VPH Laszlo Hayde | Hungary | |
| 13. | Mr. Evgenii Ratkovich | Russia | |
| 14. | Dr. Irina G. Pankova | Russia | Observer YP |
| 15. | Dr. (Mrs.) Sabine Seidelas as Young Professional | Germany | Observer |
| 16. | Dr. Klaus-Dieter Vorloop | Germany | Observer |
| 17. | Dr. Sami Bouarfa | France | |
| 18. | Mr. Hannes Puu | Estonia | |
| 19. | Mrs. Nato Khutsurauli | Georgia | Representative |
| 20. | VPH Prof. Peter Kovalenko | Ukraine | Representative |
| 21. | VPH Ian Makin | UK | Representative |
| 22. | Mr. Peter Alexey Yurievich, Chair, EWTDR | Russia | Ex-Officio Member |

III. PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)

| No. | Members | Country | Remarks |
|-----|---------------------------------------|----------|-------------------------------------|
| 1. | Vice President Dr. Tsugihiko Watanabe | Japan | Chair (2021) Member (2018) |
| 2. | Prof. Michele Perniola | Italy | Member (2018) |
| 3. | VPH Dr. Brian T. Wahlin | USA | Member (2018) |
| 4. | VPH Mr. Ian William Makin | UK | Member (2019) |
| 5. | Mr. Satit Maneepai | Thailand | Member (2020) |
| 6. | VPH Dr. Kamran Emami | Iran | Member (2021) |
| 7. | Er. Mohamed Bouaam | Morocco | Member (2021) |
| 8. | Dr. Mohammad Mohsin Hafeez | Pakistan | Member (2021) |
| 9. | Ms. Li Rouxi | China | Member (2021) |
| 10. | Secretary General, ICID | | Member- Secretary |

| No. | Members | Country | Remarks |
|-----|--|---------|-----------------------|
| 11. | World Bank representative | | Permanent Observer |
| 12. | FAO representative | | Permanent Observer |
| 13. | IWMI representative | | Permanent Observer |
| 14. | All Strategy Theme Leaders and Chairs of all Workbodies under PCTA | | Ex-Officio Members |

III.A. Membership Status of Working Groups under PCTA

| III.B.3 — WG-AFM | | | |
|------------------|---|---------------|-----------------------|
| No. | Members | Country | Remarks |
| 1. | Dr. Kamran Emami | Iran | Chairman |
| 2. | Ms. Sahar Norouzi – Young Professional | Iran | Secretary |
| 3. | Engr. Syed Mahmood-ul-Hassan | Pakistan | Member |
| 4. | Eng. Hind Massoud | Sudan | Member |
| 5. | Mr. Ahmad Bin Dakur | Malaysia | Member |
| 6. | Engr. Abdullah Hassan Hussein | Somalia | Member |
| 7. | Mr. Maurice Roos | USA | Member |
| 8. | Mr. Olli-Matti Verta | Finland | Member |
| 9. | Mr. Rajini Kant Agarwal (Direct Member) | WAPCOS, India | Provisional Member |
| 10. | Mr. Marcel Marchand | Netherlands | Member |
| 11. | Dr. Arthon Suttigam | Thailand | Member |
| 12. | Dr. Rozalija Cvejic | Slovenia | Member |
| 13. | Dr. Abdellah Taky | Morocco | Member |
| 14. | Dr. Akie Mukai | Japan | Member |
| 15. | Mr. Tamá Tóth | Hungary | Member |
| 16. | Dato's Ir. Mohd Azmi Bin Ismail | Malaysia | Provisional Member |
| 17. | Dr. Maheswor Shrestha | Nepal | Member |
| 18. | Engr. Duan Cheng | China | Member |
| 19. | Dr. Zhong-Kai Feng, Young Professional | China | Member |
| 20. | Dr. Hiroki Minakawa | Japan | Member |
| 21. | Dr. Hui Lu | China | Provisional Member |
| 22. | Mr. Muhammad Ejaz Tanveer | Pakistan | Provisional Member |
| 23. | Ir. Zhu Haidong | China | Provisional Member |

| III.B.2 — WG-CLIMATE | | | |
|----------------------|---|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | Dr. Ray Shyan Wu | Chinese Taipei Committee | Chairman |
| 2. | Dr. Fuqiang Tian | China | Vice Chairman |
| 3. | Dr. Waleed Hassan M. Abou El Hassan | Egypt | Secretary |
| 4. | Dr. Amani Alfarra | Canada | Provisional Member |
| 5. | Ms. Linlin Fan – Young Professional | China | Member |
| 6. | Dr. Jiabin Wu | China | Member |
| 7. | Dr. Xu Lei | China | Member |
| 8. | Dr. Jih-Shun, Liu | Chinese Taipei Committee | Member |
| 9. | Eng (Ms.) Nermeen Essam El-Tahan - Young Professional | Egypt | Member |
| 10. | Mr. Mika Turunen | Finland | Member |
| 11. | Dr. Anton Urfels – Direct Member | Germany | Member |
| 12. | Dr. Ashish Pandey | India | Member |
| 13. | Mr. Sunil Kumar | India | Member |
| 14. | Dr. Man Singh | India | Member |
| 15. | Mr. Atin Kumar Tyagi – Direct Member, JISL | India | Member |
| 16. | Representative | Indonesia | Member |
| 17. | Dr. Nozar Ghahreman | Iran | Member |
| 18. | Mr. Jafer Kathom Alwan Alamiryi - Young Professional | Iraq | Member |
| 19. | Prof. Anna Dalla Marta | Italy | Member |
| 20. | Dr. Kumiko Tsujimoto | Japan | Member |
| 21. | Dr. Takanori Nagano | Japan | Member |
| 22. | Ir. Wan Noorul Hafilah Binti Wan Ariffin | Malaysia | Member |
| 23. | Mr. Tikaram Baral | Nepal | Member |
| 24. | Engr. Ghulam Zakir Hassan Sial | Pakistan | Provisional Member |
| 25. | Engr. Reynaldo L. Baloloy | Philippines | Member |
| 26. | Prof. Sue Walker | South Africa | Member |
| 27. | Prof. Choi, Jin-Yong | South Korea | Member |
| 28. | Eng. (Ms.) Talatha Janaki Meegstenna | Sri Lanka | Member |
| 29. | Ms. Demirel Yazici Dilek | Turkey | Member |
| 30. | President Dr. Ragab Ragab | UK | Member |
| 31. | Mr. Michael Davidson | USA | Member |

| III.B.2 — WG-CLIMATE | | | |
|--------------------------------------|---------------------------------------|---------|---------|
| No. | Members | Country | Remarks |
| Observer/ Permanent Observers | | | |
| 32. | Vice President Dr. Tsugihiko Watanabe | Japan | |
| 33. | WMO representative | | |
| 34. | IWMI Representative | | |
| 35. | FAO Representative | | |

| III.B.3 — WG-ENV | | | |
|------------------|--|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | VPH Prof. dr. (Ms.) Charlotte de Fraiture | The Netherlands | Chair |
| 2. | Dr. Michael van der Laan | South Africa | Vice Chair |
| 3. | Dr. Seija Anneli Virtanen | Finland | Secretary |
| 4. | Mr. Carl Walters | Australia | Member |
| 5. | Mr. Mohammad Samiul Ahsan Talucder (Direct Member) | Bangladesh | Member |
| 6. | Dr. Fuqiang Tian | China | Member |
| 7. | Prof. Feng Qian | China | Member |
| 8. | Dr. Yang Shihong - Young Professional | China | Member |
| 9. | Dr. Zha Yuanyuan – Young Professional | China | Member |
| 10. | Dr. Hao-Che Ho | Chinese Taipei Committee | Member |
| 11. | Dr. Ming-Kai Hsieh | Chinese Taipei Committee | Member |
| 12. | Mr. Usamah Hashim Witwit | Iraq | Member |
| 13. | Dr. Giulio Castelli | Italy | Member |
| 14. | Dr. Yutaka Matsuno | Japan | Member |
| 15. | Ir. Mohd Azmi Ismail | Malaysia | Member |
| 16. | Dr. Muhammad Basharat Chaudhry | Pakistan | Member |
| 17. | Dr. Javaid Hussain | Pakistan | Provisional Member |
| 18. | Engr. Reynaldo L. Baloloy | Philippines | Member |
| 19. | Dr. Yury Anatolyevich Mozhaikii | Russia | Member |
| 20. | Dr. Choi, Joong-Dae | South Korea | Member |
| 21. | Prof. (Ms.) Eunmi Hong | South Korea | Member |
| 22. | Dr. Kwang-Sik Yoon | South Korea | Member |
| 23. | Eng. (Ms.) P.M. Jayadeera | Sri Lanka | Member |

| III.B.3 — WG-ENV | | | |
|------------------|------------------------------|------------|---------|
| No. | Members | Country | Remarks |
| 24. | Dr. Aynur Fayrap | Turkey | Member |
| 25. | Er. Vokhidjon M. Akhmadjonov | Uzbekistan | Member |
| | Permanent Observer | | |
| 26. | Dr. Sasha Koo-Oshima (FAO) | | |

| III.B.4 — WG-IDSST | | | |
|----------------------------|--|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | VPH Prof. Peter Kovalenko | Ukraine | Chairman |
| 2. | Dr. Shukhrat Mukhamedjanov | Uzbekistan | Vice Chair |
| 3. | Dr. Shavkat Makhmudjanovich Kenjabaev | Uzbekistan | Secretary |
| 4. | Mr. Momir Vranes | Australia | Member |
| 5. | Dr. (Ms.) Yawen Chiueh | Chinese Taipei Committee | Member |
| 6. | VPH Dr. Mohamed Wahba | Egypt | Member |
| 7. | Mr. Rajni Kant Agrawal, Direct Member, WAPCOS Ltd. | India | Provisional Member |
| 8. | Dr. Katsuyuki Shimizu | Japan | Member |
| 9. | Engr. Peter Yakube Manjuk | Nigeria | Member |
| 10. | Mr. Rifaquat Ali | Pakistan | Member |
| 11. | Dr. Usman Khalid Awan | Pakistan | Provisional Member |
| 12. | Dr. Alexander Solovyev | Russia | Member |
| 13. | Eng W.B. Palugaswewa | Sri Lanka | Member |
| 14. | Dr. Hassan Abu Bashar | Sudan | Member |
| 15. | Mr. Baratov Rustam Okilovich | Tajikistan | Member |
| 16. | Dr. Andrii Shatkovskiy | Ukraine | Member |
| Permanent Observers | | | |
| 17. | Prof. Daene C. McKinney (IWRA) | | |
| 18. | FAO Representative | | |
| 19. | World Bank representative | | |

| III.B.4 — WG-MWSCD | | | |
|--------------------|---------------------------|-------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | VPH Franklin E. Dimick | USA | Chair |
| 2. | Mr. V.C. Ballard | Australia | Vice-Chair |
| 3. | Ir. David Florentino | Philippines | Provisional Member |
| 4. | President Dr. Ragab Ragab | UK | Member |
| 5. | Dr. Mikiko Sugiura | Japan | Member |

| III.B.4 — WG-MWSCD | | | |
|--------------------|--|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 6. | Mr. Veysel Yildiz | Turkey | Provisional Member |
| 7. | Mr. Amali Abraham Amali | Nigeria | Member |
| 8. | Dr. Jan Ming-Young | Chinese Taipei Committee | Member |
| 9. | Dr. Takanori Nagano | Japan | Member |
| 10. | Dr. Hesham Mostafa Mohammed Ali | Egypt | Provisional Member |
| 11. | Dr. Shivaji T. Sangle | India | Member |
| 12. | Ms. Leila Eamen | Canada | Member |
| 13. | Mr. Watchara Suiadee | Thailand | Provisional Member |
| 14. | Dr. Jing Liu | China | Member |
| 15. | Mr. Ali Hassan Hommadi Altai | Iraq | Member |
| 16. | Ms. Haofang Yan, Young Professional | China | Provisional Member |
| 17. | Mr. Yu Yingduo, Young Professional | China | Provisional Member |
| 18. | Mr. Zafar Iqbal | Pakistan | Provisional Member |
| 19. | Mr. Thayalam Sekaran | Malaysia | Provisional Member |
| 20. | Ir. Wan Noorul Hafilah Binti Wan Ariffin | Malaysia | Provisional Member |

| III.B.5 — WG-SDTA | | | |
|-------------------|--|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | Dr. Ruey-Chy Kao | Chinese Taipei Committee | Chair |
| 2. | Ir. Hj. Nor Hisham Bin Mohd Ghazali | Malaysia | Vice-Chair |
| 3. | Mr. Paavan Kuamr Reddy, Young Professional | India | Secretary |
| 4. | Dr. (Ms) Hsiao-Weng Wang | Chinese Taipei Committee | Young Professional |
| 5. | Prof. Budi Santoso Wignyosukarto | Indonesia | Member |
| 6. | Prof. Zhang Zhanyu | China | Member |
| 7. | Dr. Jeongryeol Jang | Korea, Rep. of | Member |
| 8. | Dr. Vijay K. Labhsetwar | India | Member |
| 9. | Dr. Surat Thanusin | Thailand | Member |
| 10. | Dr. Hiroki Minakawa | Japan | Member |
| 11. | Dr. Dina Saleshe | Egypt | Provisional Member |
| 12. | Mr. Alok Paul Kalsi | India | Provisional Member |
| 13. | Ir. LIU Zhitong | China | Provisional |

| III.B.5 — WG-SDTA | | | |
|-------------------|------------------------------|----------------|--------------------|
| No. | Members | Country | Remarks |
| | | | Member |
| 14. | Ir. Henk Rizema | Netherlands | Observer |
| 15. | Dr. Jo Jin Hoon | Korea, Rep. of | Permanent Observer |
| 16. | Dr. Daeou Eo | Korea, Rep. of | Permanent Observer |
| 17. | Mr. Robiyanto Hendro Susanto | Indonesia | Permanent Observer |
| 18. | Mr. Harry Denecke (FAO) | | Permanent Observer |

| III.K.1 — WG-CDTE | | | |
|-------------------|--|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | VPH Dr. Mohamed Wahba | Egypt | Chair |
| 2. | Dr. Vijay K. Labhsetwar | India | Vice-Chair |
| 3. | Dr. Rajendra S.Poddar | India | Secretary |
| 4. | Er. Ashok Kumar Kharya | India | Member |
| 5. | Mr. Gaforzoda Bahkrom | Tajikistan | Member |
| 6. | Eng. Abu Obieda Babiker Ahmed Hassan | Sudan | Provisional Member |
| 7. | Dr. Shinji Fukuda | Japan | Member |
| 8. | Dr. Wen-Pin Shu | Chinese Taipei Committee | Provisional Member |
| 9. | Dato' Ir. Haji Hanapi Bin Mohamad Noor | Malaysia | Provisional Member |
| 10. | Dr. Akie Mukai | Japan | Provisional Member |
| 11. | Mr. Jeff Camkin | Australia | Member |
| 12. | Prof. Jiesheng Huang | China | Member |
| 13. | Ms. Li Ruoxi, Young Professional | China | Member |
| 14. | Ms. Rasha Sarmed | Iraq | Member |
| 15. | Dr. Ahmed Elsidig A. Elshaikh | Sudan | Member |
| 16. | Dr. Moshin Hafeez | IWMI, Pakistan | Provisional Member |
| 17. | Mrs. Narges Zohari | Iran | Provisional Member |

| III.K.2 — WG-HIST | | | |
|-------------------|---------------------------------------|---------|----------|
| No. | Members | Country | Remarks |
| 1. | VPH Dr. Kamran Emami | Iran | Chairman |
| 2. | Mr. Wang Li | China | Member |
| 3. | Dr. Chen Jing | China | Member |
| 4. | Dr. Dai Xiaoping – Young Professional | China | Member |

| III.K.2 — WG-HIST | | | |
|--------------------------------------|---|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 5. | Mr. Gao Lihui – Young Professional | China | Member |
| 6. | Dr. Sinite Yu | Chinese Taipei Committee | Member |
| 7. | Eng Ahmed Awad Hag Abd-Elnabi | Egypt | Member |
| 8. | VPH Prof. Dr. Dia El Din Ahmed El Quosy | Egypt | Member |
| 9. | VPH Dr. Laszlo Hayde | Hungary | Member |
| 10. | Dr. Shivaji Sangle, Director Member – MWRRA | India | Member |
| 11. | VPH A. Hafied A. Gany | Indonesia | Member |
| 12. | Dr. Masaomi Kimura | Japan | Member |
| 13. | Dr. Yutaka Matsuno | Japan | Member |
| 14. | Mr. Krishna Prasad Nepal | Nepal | Provisional Member |
| 15. | Engr. Sirika Ahmad Abubakar | Nigeria | Member |
| 16. | Dr. Qazi Tallat Mahmood Siddiqui | Pakistan | Provisional Member |
| 17. | VPH Dr. Gerhard Backeberg | South Africa | Member |
| 18. | Mr. Ju-Chang Kim | South Korea | Member |
| 19. | Dr. Ahmed Adam Ibrahim | Sudan | Member |
| 20. | VPH Chaiwat Prechawit | Thailand | Member |
| 21. | Mr. Charles L. Abernethy | United Kingdom | Member |
| 22. | Dato' Ir. Dr. Hj. Ahmad Anuar Bin Othman | Malaysia | Member |
| 23. | Dr. Evan Christen | Australia | Member |
| 24. | Mr. Tony C.S. Chen | Chinese Taipei Committee | Member |
| 25. | Eng. (Ms.) T. Janaki Meegastenna | Sri Lanka | Provisional Member |
| 26. | Ir Xueying | Chinese Taipei Committee | Provisional Member |
| Observers/ Permanent Observer | | | |
| 27. | Dr. Yao Jianfeng | China | |
| 28. | Dr. Ing. Klaus Rottcher | Germany | |
| 29. | Dr. (Mrs.) B. Dolfing | The Netherlands | |
| 30. | Dr. Ir. M. Ertsen (IWHA) | | |

| III.K.3 — EB-JOUR | | | |
|-------------------|--|--------------------------|---------------------|
| No. | Members | Country | Remarks |
| 1. | Prof. Jiusheng Li | China | Chair |
| 2. | Prof. Dr. Kristoph-Dietrich Kinzli P.E. | USA | Joint Editor |
| 3. | Prof. Graziano Ghinassi | Italy | Joint Editor |
| 4. | Dr. Wang Zhen | China | Editorial Secretary |
| 5. | PH Prof. Bart Schultz | Netherlands | Editor Emeritus |
| 6. | Prof. Daniele de Wrachien | Italy | Associate Editor |
| 7. | Dr. Nick C. Van de Giesen | Netherlands | Associate Editor |
| 8. | Dr. Biju George | Australia | Associate Editor |
| 9. | Prof. Waldo Ojeda-Bustamante | Mexico | Associate Editor |
| 10. | Prof. Saleh Taghvaejan | USA | Associate Editor |
| 11. | VPH Laszlo Hayde | Hungary | Associate Editor |
| 12. | Dr. Takanori Nagano | Japan | Associate Editor |
| 13. | Dr. Ray-Shyan Wu | Chinese Taipei Committee | Associate Editor |
| 14. | Dr. Mohsin Hafeez | IWMI | Associate Editor |
| 15. | Dr. Poolad Karimi | Iran | Associate Editor |
| 16. | Prof. Jin-Yong Choi | Korea, Rep. of | Associate Editor |
| 17. | Dr. Severine Tomas | France | Associate Editor |
| 18. | Dr. Keigo Noda | Japan | Associate Editor |
| 19. | Prof. Anna Dalla Marta | Italy | Associate Editor |
| 20. | Prof. Rameshwar S. Kanwar | USA | Associate Editor |
| 21. | Dr. Wang Zhen | China | Associate Editor |
| 22. | Prof. Tapas Kumar Biswas | Australia | Associate Editor |
| 23. | Dr. Luis Garcia | USA | Member |
| 24. | VPH Prof. Dr. Dia El Din Ahmed El Quosy | Egypt | Member |
| 25. | Dr. Muhammad Latif | Pakistan | Member |
| 26. | Dr. Marcel Kuper | France | Member |
| 27. | VPH Larry Stephens | USA | Member |
| 28. | Dr. Vijay Labhsetwar (ICID Central Office) | India | Member |
| 29. | Prof. Wenyong Wu | China | Member |
| 30. | Prof. Ir. Dr. Mohd Amin bin Mohd Soom | Malaysia | |

| III.K.3 — EB-JOUR | | | |
|-------------------|------------------------------------|---------|---------|
| No. | Members | Country | Remarks |
| 31. | Dr. Mohammad Javad Monem | Iran | |
| 32. | Prof. Dr.-Ing. Klaus Rottcher | Germany | |
| 33. | Mr. Brent Paterson | Canada | |
| 34. | Ir. Simon Howarth | UK | |
| 35. | Er. B.A. Chivate, Director (Tech.) | ICID CO | |

| III.K.4 — TF-MTD | | | |
|------------------|---|--------------------------|---------|
| No. | Members | Country | Remarks |
| 1. | VPH Dr. Ding Kunlun | China | Chair |
| 2. | Dr Yu-Chuang Chang (WG-IOA) | Chinese Taipei Committee | Member |
| 3. | Dr. AK Randev, Chair of WG-SON-FARM | India | Member |
| 4. | Dr Masaomi Kimura | Japan | Member |
| 5. | Ms. Mary Jean M. Gabriel, Chair of WG-IDM | South Africa | Member |
| 6. | VPH Ian Makin, Chair of WG-M&R | UK | Member |
| 7. | Representative of FAO | | |
| 8. | Representative of IWMI | | |
| 9. | Representative of ADB | | |

| III.K.5 — TF-WWF9 | | | |
|-------------------|--|---------|------------|
| No. | Members | Country | Remarks |
| 1. | PH Dr. Saeed Nairizi | Iran | Chair |
| 2. | VP Alireza Salamat | Iran | Vice Chair |
| 3. | Mr. Dominique Rollin | France | Secretary |
| 4. | PH Dr. Chandra Madramootoo | Canada | Member |
| 5. | VPH Laurie C. Tollefson | Canada | Member |
| 6. | VPH Dr. Ding Kunlun | China | Member |
| 7. | Dr. (Ms) Eman Ragab Nofal – Young Professional | Egypt | Member |
| 8. | Mr. Alok Paul Kalsi | India | Member |
| 9. | Dr. Hossein Dehghanisanij | Iran | Member |
| 10. | VPH Dr. Shinsuke Ota | Japan | Member |
| 11. | Dr. Katsuyuki Shimizu | Japan | Member |

| III.K.5 — TF-WWF9 | | | |
|-------------------|------------------------|------------|---------|
| No. | Members | Country | Remarks |
| 12. | Dr. Tsugihiro Watanabe | Japan | Member |
| 13. | Mr Shamsiddin Qurbonov | Uzbekistan | Member |

| III.K.5 — WG-VE | | | |
|-----------------|--|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | Dr. Kamran Emami | Iran | Chair |
| 2. | Mrs. Remziye Yildiz Gulagaci | Turkey | Vice-Chair |
| 3. | Ir. Nor Hisham M. Ghazali | Malaysia | Secretary |
| 4. | VPH Francois Brelle | France | Member |
| 5. | Mr. Suman Sijapati | Nepal | Member |
| 6. | Dr. Toshihiko Kuno | Japan | Member |
| 7. | Dr. Yawen, Chueh | Chinese Taipei Committee | Provisional member |
| 8. | Mr. Delbert M. Smith | USA | Provisional Member |
| 9. | Mr. Saed Pourshahidi, Young Professional | Iran | Member |
| 10. | Mr. Gao Lihui | China | Member |
| 11. | Ir. Wang Yijia | China | Provisional member |
| 12. | Ir. Zhang Zhaoyang | China | Provisional Member |

| III.O.1 — WG-SON-FARM | | | |
|-----------------------|---|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | Dr. A.K. Randev | India | Chairman |
| 2. | Mr. Carl Walters | Australia | Vice Chair |
| 3. | Mr. Suman Sijapati | Nepal | Secretary |
| 4. | Dr. Zhang Guohua - Young Professional | China | Member |
| 5. | Dr. Guan Guanghua | China | Member |
| 6. | Prof. Luo Yufeng | China | Member |
| 7. | Prof. Yao Bin | China | Provisional Member |
| 8. | Dr. Yu-Min Wang | Chinese Taipei Committee | Member |
| 9. | Dr. Chen, Ching-Tien | Chinese Taipei Committee | Member |
| 10. | Dr. Gamal Mohamed Elkassar | Egypt | Provisional Member |
| 11. | Mr. Dilip Yewalekar – Direct Member, JISL | India | Member |
| 12. | Prof. LB Roy – Direct Member | India | Member |
| 13. | Dr. Neelam Patel | India | Member |

| III.O.1 — WG-SON-FARM | | | |
|-------------------------------|---|--------------|--------------------|
| No. | Members | Country | Remarks |
| 14. | Dr. Ashish Pandey | India | Member |
| 15. | Mr. Hassan Shantia | Iran | Member |
| 16. | Dr. Hossein Dehghanisanij | Iran | Member |
| 17. | Dr. Graziano Ghinassi | Italy | Member |
| 18. | Mr. Taku Mori | Japan | Member |
| 19. | Dr. Teoh Chin Chuang | Malaysia | Member |
| 20. | Mr. Bashu Dev Lohanee | Nepal | Member |
| 21. | Engr. Malik Muhammad Akram | Pakistan | Provisional Member |
| 22. | Mr. Siboniso Phillip MkhaliPhi | South Africa | Member |
| 23. | Prof. Chang Eon Park | South Korea | Member |
| 24. | Mr. Ömer Faruk Akbulut | Turkey | Member |
| Observers/ Permanent Observer | | | |
| 25. | Mr. Sher Singh | India | |
| 26. | Mr. M.S. Sudhakar (Direct Member), JISL | India | |
| 27. | Mr. Abijit Joshi (Direct Member), JISL | India | |
| 28. | FAO Representative | | |

| III.O.3 — WG-WFE_N | | | |
|--------------------|------------------------------------|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | President Dr. Ragab Ragab | UK | Chair |
| 2. | Dr. K. Yella Reddy | India | Vice-Chair |
| 3. | Dr. Mahdi Sarai Tabrizi | Iran | Secretary |
| 4. | Ir. Adang Saf Ahmad | Indonesia | Provisional Member |
| 5. | Dr. P. Soman (Direct Member), JISL | India | Provisional Member |
| 6. | Prof. Won-Ho Nam | Korea, Rep. of | Member |
| 7. | Prof. Dr. Zeinab Hussien Behairy | Egypt | Provisional Member |
| 8. | Dr. Chung-Feng, Ding | Chinese Taipei Committee | Member |
| 9. | Eng. Karshiyev Rustum Jurayevih | Uzbekistan | Provisional Member |
| 10. | Ir. Felipe Dantas | Australia | Provisional Member |
| 11. | Dr. Noppadon Kowsuvon | Thailand | Member |
| 12. | Mr. Watchara Suiadee | Thailand | Member |
| 13. | Mr. Chaisri Suksaraj | Thailand | Provisional Member |

| III.O.3 — WG-WFE_N | | | |
|--------------------|---|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 14. | Prof. Cheh-Shy Ting | Chinese Taipei Committee | Provisional Member |
| 15. | Dr. Peng-Jui Wang | Chinese Taipei Committee | Provisional Member |
| 16. | Mr. Carl Walters | Australia | Provisional Member |
| 17. | Mr. John William O'Connor | Australia | Provisional Member |
| 18. | Prof. Vishnu Prasad Pandey | Nepal | Provisional Member |
| 19. | Dr. Deepak Khare | India | Provisional Member |
| 20. | Dr. Man Singh | India | Provisional Member |
| 21. | Mrs. Narges Zohari | Iran | Provisional Member |
| 22. | Dr. Lu Hui | China | Member |
| 23. | Dr. Junzeng Xu | China | Provisional Member |
| 24. | Mr. Liangsheng Shi (YP) | China | Provisional Member |
| 25. | Asst. Prof. Dr. Piyatida Ruangrassamee | Thailand | Observer |
| 26. | Mr. Yukiya Saika | Japan | Member |
| 27. | Mr. Abbas Fadhel | Iraq | Provisional Member |
| 28. | Mr. Basim Tuama | Iraq | Provisional Member |
| 29. | Ir. LIU Dongzhe | China | Provisional member |
| 30. | Dr. Amani Alfara | Canada | Provisional Member |
| 31. | Mr. Syaiful Mahdi | Indonesia | Observer |
| 32. | FAO representative | | Permanent Observer |
| 33. | CIGR representative - Mr. Herbert H. Van Lier | | Permanent Observer |
| 34. | Prof. D. Wrachien | Italy | Permanent Observer |
| 35. | ICRISAT representative | | Permanent Observer |

| III.O.3 — WG-NCWRI | | | |
|--------------------|------------------------|--------------------------|------------|
| No. | Members | Country | Remarks |
| 1. | Dr. Wenyong Wu | China | Chair |
| 2. | Dr. Tapas Kumar Biswas | Australia | Vice Chair |
| 3. | Prof. Qi Xuebin | China | Member |
| 4. | Dr. Chihhao Fan | Chinese Taipei Committee | Member |
| 5. | Dr. Shu-Yuan Pan | Chinese Taipei Committee | Member |
| 6. | Dr. Sheng-Wei Wang | Chinese Taipei Committee | Member |

| III.O.3 — WG-NCWRI | | | |
|----------------------------|-----------------------------------|----------------|--------------------|
| No. | Members | Country | Remarks |
| 7. | VPH Dr. Samia El-Guindy | Egypt | Member |
| 8. | Dr. Mohamed Shaban M. Abu Salama | Egypt | Member |
| 9. | Dr. Hussein Abdel Halim El Gammal | Egypt | Member |
| 10. | Dr. Ratan Chand Jain | India | Member |
| 11. | Dr. Ashish Pandey | India | Member |
| 12. | Dr. Sunil D. Gorantiwar | India | Member |
| 13. | VPH Dr. Karim Shiati | Iran | Member |
| 14. | Dr. (Ms.) Anna Tedeshi | Italy | Member |
| 15. | Dr. Tasuku Kato | Japan | Member |
| 16. | Mr. Mohamed Ouhssain | Morocco | Member |
| 17. | Ms. Jigyasha Rai Yangkhurung | Nepal | Member |
| 18. | Dr. Muhammad Munir Ahmad | Pakistan | Member |
| 19. | Dr. Usman Khalid Awan | Pakistan | Provisional Member |
| 20. | Prof. Leon van Rensburg | South Africa | Member |
| 21. | Dr. Seung Heon Lee | South Korea | Member |
| 22. | President Dr. Ragab Ragab | United Kingdom | Member |
| Permanent Observers | | | |
| 23. | FAO representative | | |
| 24. | ICBA representative (UAE) | UAE | |

| III.S.1 — WG-IDM | | | |
|------------------|-----------------------------------|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | Ms. Mary Jean M. Gabriel | South Africa | Chair |
| 2. | Mr. Ahmet Şeren | Turkey | Vice Chair |
| 3. | Dr. Katsuyuki Shimizu | Japan | Secretary |
| 4. | Dr. Amgad Elmahdi | Australia | Member |
| 5. | Dr. Wu Jingwei | China | Member |
| 6. | Dr. Liu Jing - Young Professional | China | Member |
| 7. | Prof. Huang Jiasheng | China | Member |
| 8. | Prof. (Ms.) Chen Jing | China | Member |
| 9. | Dr. Hwa-Lung Yu | Chinese Taipei Committee | Provisional Member |
| 10. | Dr. Sheng-Wei Wang | Chinese Taipei Committee | Member |

| III.S.1 — WG-IDM | | | |
|----------------------------|--|--------------|--------------------|
| No. | Members | Country | Remarks |
| 11. | Eng El Sayed El Yamani Ali Sarkees | Egypt | Member |
| 12. | Dr Eman Ragab Mohamed Nofal - Young Professional | Egypt | Member |
| 13. | Mr. Waleed Abou El Hassan | Egypt | Member |
| 14. | Dr. Gamal Mohamed Elkassar | Egypt | Member |
| 15. | Prof LB Roy – Direct Member | India | Member |
| 16. | Dr. Narges Zohrabi | Iran | Member |
| 17. | Dr. Akie Mukai | Japan | Member |
| 18. | Ir. Mat Hussin Bin Ghani | Malaysia | Member |
| 19. | Mr. Mohamad Radzi Bin Abdul Talib | Malaysia | Provisional Member |
| 20. | Mr. Tariq Altaf | Pakistan | Member |
| 21. | Dr. Khumbulani Dhavu | South Africa | Provisional Member |
| 22. | Engr. Ali Mohamed Ahmed Elhaj | Sudan | Member |
| Permanent Observers | | | |
| 23. | VPH Ian Makin | UK | |
| 24. | VPH Hafied Gany | Indonesia | |

| III.S.2 — WG-IOA | | | |
|------------------|--|--------------------------|---------------|
| No. | Members | Country | Remarks |
| 1. | VPH Dr. Hafied Gany | Indonesia | Chairman |
| 2. | Dr. Keigo Noda | Japan | Vice Chairman |
| 3. | Mr. Taku Mori | Japan | Secretary |
| 4. | VPH Ding Kunlun | China | Member |
| 5. | Dr. Niannian Yuan – Young Professional | China | Member |
| 6. | Dr. Yu-Chuan Chang | Chinese Taipei Committee | Member |
| 7. | Dr. Neelam Patel | India | Member |
| 8. | Dr. Sunil D. Gorantiwar | India | Member |
| 9. | Eng. Sabreen Abdalradha Charloob Obied Subah | Iraq | Member |
| 10. | Eng. Raghad Sami Aljanabi | Iraq | Member |
| 11. | Mr. Abdullahi Abdul Rahman Ogole | Nigeria | Member |

| III.S.2 — WG-IOA | | | |
|------------------|---|----------|---------|
| No. | Members | Country | Remarks |
| 12. | Dr. Qazi Tallat Mahmood Siddiqui | Pakistan | Member |
| 13. | Dr. Ahmed Elsididg A. Elshaikh, Direct Member | Sudan | Member |
| 14. | Mr. Hasan Basri Yuksel | Turkey | Member |
| 15. | Mr. Philip J. Riddell | UK | Member |
| 16. | VPH Franklin Dimick | USA | Member |

| III.S.3 — WG-M&R | | | |
|------------------|---------------------------------|--------------------------|---------------|
| No. | Members | Country | Remarks |
| 1. | VPH Ian Makin | UK | Chairman |
| 2. | Dr. Dong Bin | China | Vice Chairman |
| 3. | Engr. Muhammad Sani Bala | Nigeria | Secretary |
| 4. | Dr. Yalong Li | China | Member |
| 5. | Dr. SHI Yuan | China | Member |
| 6. | Dr. Di Wu | China | Member |
| 7. | Dr. Chih-Hung Tan | Chinese Taipei Committee | Member |
| 8. | Dr. Hwa-Lung Yu | Chinese Taipei Committee | Member |
| 9. | Prof. Dr. Tarek Ahmed El-Samman | Egypt | Member |
| 10. | Dr. Sanjay Belsare | India | Member |
| 11. | Prof. Sunil D. Gorantiwar | India | Member |
| 12. | Dr. Neelam Patel | India | Member |
| 13. | Ir. Eko Subekti | Indonesia | Member |
| 14. | Mr. Mehrzad Ehsani | Iran | Member |
| 15. | Mr. Omid Moridnejaad | Iran | Member |
| 16. | Dr. Mohsen Barahimi | Iran | Member |
| 17. | Mr. Ali Omran Ali | Iraq | Member |
| 18. | Mrs. Zaineb Mohammed Akram | Iraq | Member |
| 19. | Dr. Toshihiko Kuno | Japan | Member |
| 20. | Dr. Shinji Fukuda | Japan | Member |
| 21. | Mr. Mohd Yazid bin Abdullah | Malaysia | Member |
| 22. | Mr. Dinesh Bhatt | Nepal | Member |

| III.S.3 — WG-M&R | | | |
|--------------------------------------|----------------------------------|--------------|--------------------|
| No. | Members | Country | Remarks |
| 23. | Mr. Usman-e-Ghani | Pakistan | Member |
| 24. | Dr. Usman Khalid Awan | Pakistan | Provisional Member |
| 25. | Ms. Mona Liza Delos Reyes | Philippines | Member |
| 26. | Engr. Reyne B. Ugay | Philippines | Member |
| 27. | Mr. Jan Potgieter | South Africa | Member |
| 28. | Dr. Macdex Mutema | South Africa | Provisional Member |
| 29. | Ms. Kwang-Sik Yoon | South Korea | Member |
| 30. | Dr. Brian T. Wahlin | USA | Member |
| Observer/ Permanent Observers | | | |
| 31. | Mr. Alan Kendall Clark | UK | |
| 32. | FAO Representative | | |
| 33. | Dr. Petra Schmitter (World Bank) | Myanmar | |
| 34. | Dr. Alok Sikka (IWMI) | India | |

| III.S.4 — WG-RWH | | | |
|------------------|--|----------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | Mr. Geoff Harvey | Australia | Chair |
| 2. | Mr. Michael Smit | Australia | Member |
| 3. | Ms. Kathleen Heuvel – Young Professional | Australia | Member |
| 4. | Mr. Warren Helgason | Canada | Member |
| 5. | VPH Dr. Ding Kunlun | China | Member |
| 6. | Dr. A.K. Randev, Chairman, WG-SON-FARM | India | Member |
| 7. | Dr. Ratan Chand Jain | India | Member |
| 8. | Dr. Vinod Kumar Tiwari - Direct Member, MWRRA | India | Member |
| 9. | Prof. (Ms.) Elena Bresci | Italy | Member |
| 10. | Mr. Hisham Ghazali | Malaysia | Member |
| 11. | Prof. Dato' Dr. Nor Azazi Bin Zakari | Malaysia | Provisional Member |
| 12. | Mr. Bashu Dev Lohanee | Nepal | Member |
| 13. | Ms. Mary Jean Gabriel, Chair, WG-IDM | South Africa | Member |
| 14. | President Dr. Ragab Ragab, Chairman, WG-WATER & CROP | United Kingdom | Member |

| III.S.4 — WG-RWH | | | |
|------------------|----------------------------|---------|---------|
| No. | Members | Country | Remarks |
| 15. | Dr. Puspa Raj Khanal (FAO) | | Member |
| 16. | Dr Alok Sikka (IWMI) | India | Member |

| III.S.5 — WG-LDRG | | | |
|-------------------|--|--------------------------|--------------------|
| No. | Members | Country | Remarks |
| 1. | VPH Dr. Willem F. Vlotman | Australia | Interim Chairman |
| 2. | Dr. Momon Sodik Imanudin | Indonesia | Vice Chairman |
| 3. | Mr. Fazal Rehman Kashif | Pakistan | Secretary |
| 4. | Dr. Evan Wilfred Christen | Australia | Member |
| 5. | Ms. Wang Shaoli | China | Member |
| 6. | Prof. Wu Jingwei | China | Member |
| 7. | Dr. Tao Yuan - Young Professional | China | Member |
| 8. | Dr. Luo Wenbing - Young Professional | China | Member |
| 9. | Dr. Hao-Che Ho | Chinese Taipei Committee | Member |
| 10. | Prof. Cheh-Shyh Ting | Chinese Taipei Committee | Member |
| 11. | Eng. Mohamed Saleh El-Basyony | Egypt | Member |
| 12. | Eng. Maiada Mohamed Anwar | Egypt | Member |
| 13. | Eng. Dina Mahmoud Mohamed Ali - Young Professional | Egypt | Member |
| 14. | Dr. Gehan Abdel Hakeem Sallam | Egypt | Member |
| 15. | Mr. Mati Tonismae | Estonia | Member |
| 16. | Mr. Olle Haggblom | Finland | Provisional Member |
| 17. | Dr. Gurbachan Singh | India | Member |
| 18. | Prof. LB Roy – Direct Member | India | Member |
| 19. | Dr. Ratan Chand Jain | India | Member |
| 20. | Dr. Deepak Khare | India | Member |
| 21. | Mr. Ardavan Azari | Iran | Member |
| 22. | Mr. Ammar Al-Khafaji | Iraq | Member |
| 23. | VPH Shinsuke Ota | Japan | Member |
| 24. | Dr. (Ms.) Naoko Koshiyama | Japan | Member |
| 25. | Dr. Natsuki Yoshikawa | Japan | Member |

| III.S.5 — WG-LDRG | | | |
|---------------------------|---|----------------|---------|
| No. | Members | Country | Remarks |
| 26. | Ir. Mohd Anuar Musardar bin Yusoff | Malaysia | Member |
| 27. | Dr. Yuri Yanko | Russia | Member |
| 28. | Prof. Aidan Senzanje | South Africa | Member |
| 29. | Dr. Bancha Kwanyuen | Thailand | Member |
| 30. | Mr. Ekasit Kositsakulchai | Thailand | Member |
| 31. | Dr. Peter Johnson | United Kingdom | Member |
| 32. | Dr. Mangliyev Abdulkhalil Abdusattorovich | Uzbekistan | Member |
| Permanent Observer | | | |
| 33. | Dr. Sasha Koo-Oshima (FAO) | | |

| III.S.6 — WG-WATS | | | |
|-------------------|--|--------------------------|---------------|
| No. | Members | Country | Remarks |
| 1. | Vice President Engr. Rafat Nael Al-Intaki | Iraq | Chairman |
| 2. | VPH Adama Sangare | Mali | Vice Chairman |
| 3. | Ir. Felipe Dantas | Australia | Member |
| 4. | Ms. Jianxin Mu | China | Member |
| 5. | Prof. Qi Xuebin | China | Member |
| 6. | Prof. Gu Tao | China | Member |
| 7. | Dr. Yujiang Xiong - Young Professional | China | Member |
| 8. | Dr Ray Shyan Wu | Chinese Taipei Committee | Member |
| 9. | VPH M. Hassan Amer | Egypt | Member |
| 10. | Eng (Ms.) Hala Ramadan El-Sayed Ismail | Egypt | Member |
| 11. | Dr Mohamed El-Hagarey | Egypt | Member |
| 12. | Dr. P. Soman – Direct Member, Jain Irrigation Systems Limited (JISL) | India | Member |
| 13. | Mr. Abijit Joshi – Direct Member, JISL | India | Member |

| III.S.6 — WG-WATS | | | |
|----------------------------|--|--------------|--------------------|
| No. | Members | Country | Remarks |
| 14. | Dr. Deepak Khare | India | Member |
| 15. | Dr. Man Singh | India | Member |
| 16. | VP Engr. Rafat Nael Abdulghani Al-Intaki | Iraq | Member |
| 17. | Prof. Michele Perniola | Italy | Member |
| 18. | Dr. Tasuku Kato | Japan | Member |
| 19. | Ir. Wan Noorul Hafilah Binti Wan Ariffin | Malaysia | Member |
| 20. | Dr. Ashfaq Ahmed Sheikh | Pakistan | Member |
| 21. | Dr. Muhammad Ashraf | Pakistan | Member |
| 22. | Dr. Joe Stevens | South Africa | Member |
| 23. | Dr. Khumbulani Dhavu | South Africa | Provisional Member |
| 24. | Mr. Yalçin Dalgin | Turkey | Member |
| 25. | Er. Isomiddin Akramov | Uzbekistan | Member |
| Permanent Observers | | | |
| 26. | IWMI Representative | | |
| 27. | FAO Representative | | |

Note: Secretary General, ICID or his representative will be Member of each Working Group or Task Force.

Strategy Themes:

| | |
|--------------------|----------------------|
| B - Basin | K - Knowledge |
| O - On-Farm | S - Schemes |



**REPORT OF THE 43RD MEETING OF THE
PERMANENT FINANCE COMMITTEE (PFC)**

07 October 2022: 14:00-15:45 hours (Session I)

07 October 2022: 16:15-18:00 hours (Session II)

Adelaide, Australia

Members: (1) VPH Dr. Marco Arcieri, Chairman (Italy, 2017); (2) Mr. Ali Reza Salamat (Iran, 2016) represented by Ms. Narges Zohrab; (3) Prof. Mohamed Benmoussa (Morocco, 2018) represented by Dr. Bartalia; (4) Mr. Gao Lihui (China, 2019); (5) VPH Dr. K. Yella Reddy (India, 2022); and (6) Er. Ashwin B. Pandya, Secretary General, ICID.

Observers: (1) Prof. Dr. Ragab Ragab (UK); (2) Dr. Bruno Grawitz (France); (3) VPH Mr. Ian W. Makin (UK); (4) PH Peter Lee (UK); (5) Mr. Sunmonu Kenneth – Similotuwa (Nigeria); (6) Mr. Christy Omeno Oduh (Nigeria); (7) Mr. Vijay K. Labhshetwar (India); (8) Mr. Engr. Garpa Bello (Nigeria); (9) Mr. Barka A. Musa (Nigeria); (10) PH Dr. Bart Schultz (Netherlands); (11) Mr. Peter Sule (Nigeria); (12) Mr. Toru Okuda (Japan); (13) Mr. Muhammad Sani Bala (Nigeria); (14) Ms. Kondeti Kanaka Durga (India); (15) Mr. Olalemi Vem (Nigeria); (16) Mr. Saliu Ahmed (Nigeria); (17) PH Dr. Keizrul Abdullah (Malaysia); (18) Mr. Anthea Udo (Nigeria); (19) Mr. Mustapha Usman Khalil (Nigeria); (20) Engr. Amirat Joy Muhamed (Nigeria); (21) Mr. Rauf Yuldesheu (Tajikistan); (22) Mr. Bahrom Geferzoda (Tajikistan); (23) Dr. Mikiko Sugiura (Japan); (24) Mr. Waseem Nazir (Pakistan); and (25) Mr. Abdullaih Abdwrahman Ogole (Nigeria)

General Note: Conversion rate of US\$ versus INR (₹) (Indian Rupee) used in the budget and forecasts –

1. A conversion rate of US\$1 = ₹ 74 was assumed in the forecast for the FY 2021-22 on the basis of the exchange rate in the preceding 15 months commencing from April 2020 to June 2021. Subscriptions actually received were, of course, converted based on the prevalent rate. The difference in the budgeted subscription receipts and the actual subscription receipts due to change in the exchange rate are accounted for as part of 'Other Receipts'.

2. Based upon average exchange rate of US\$ for the last fifteen months from April 2021 to June 2022, an exchange rate of US\$ 1 = ₹ 75 has been assumed for the Revised Budget (Proposed) for the FY 2022-2023, Budget for FY 2023-24 and Preliminary Budget for 2024-2025 and Forecast Budget for the FY 2025-2026.

PFC Minutes Item 1: Review of the Membership of the Committee

3. PFC noted that new nomination of Mr. Toru Okuda Chairman (Japan NC), The Japanese Society of Rural Development Engineers has been received. The nomination was accepted and recommended by the Permanent Finance Committee (PFC) and subsequently approved by IEC.

4. PFC noted that with the conclusion of term of office for six years of Mr. Ali Reza Salamat (Iran) at the conclusion of the 73rd IEC Meeting, the membership of the PFC will come down to 9 and with the nomination of Mr. Toru Okuda (Japan) membership of PFC will remain 10, which would be within the membership strength as mandated by ICID By-laws 3.9.3 (b).

5. PFC recommended that ICID may invite new nominations for membership of PFC.

PFC Minutes Item 2: Report on the Direct Membership Administering (DMA) Sub - Committee

6. PFC noted that in consultation with Chair, PFC, the DMA Sub-Committee has been reconstituted vide Notification No.7 of 2019 dated 22 November 2019 with the composition given below as per the Guidelines for Administering Direct Membership approved by the Council vide its Resolution IEC-3/63.

- | | | |
|-----|--|------------|
| (a) | VP Dr. Marco Arcieri, Chair, PFC (Italy) | - Chairman |
| (b) | Mr. Delbert M. Smith, Member, PFC (USA) | - Member |
| (c) | Mr. Gao Lihui, Member, PFC (China) | - Member |
| (d) | VP Dr. Kamran Emami, Member, PCSO (Iran) | - Member |

7. Based on the report of DMA Sub-committee, the PFC recommended, and IEC approved following as Direct Member of ICID:

| Sl. No. | Name of Applicant | Country | Type of Membership Applied for |
|---------|------------------------|---------|---|
| 1. | Mr. Aariz Ahmed | India | Individual Young Professional (2023) |
| 2. | Mr. Aloysius Mubangizi | Uganda | Individual Young Professional (2023-2025) |

| Sl. No. | Name of Applicant | Country | Type of Membership Applied for |
|---------|----------------------------|-------------|--|
| 3 | M/s Vassar Labs | India | Company, In-principle approval subject to payment of membership dues |
| 4 | Celso Miguel Abdala Tamela | Mazambique | Individual, In-principle approval subject to payment of membership dues |
| 5 | Mr Thibaul T. Simon (.) | Cambodia | Individual YP, In-principle approval subject to payment of membership dues |
| 6 | Mr. Ebissa Gadissa Kedir | Rawanda | Individual YP, In-principle approval subject to payment of membership dues |
| 7 | Dr Erion Bwambale | Uganda | Individual YP, In-principle approval subject to payment of membership dues |
| 8 | Directorate of Irrigation | Iraq | Institution, In-principle approval subject to payment of membership dues |
| 9 | Mr Ahmed Abuzeid | Gremany | Individual YP (2023-2025) In-principle approval subject to payment of membership dues |
| 10 | Mr Nurzada | Afghanistan | Individual Life membership-In-principle approval subject to payment of membership dues |

8. PFC noted that M/s electro Steel Castings (Company, India), M/s WAPCOS (Company, India), Mr Sajid Ali Bhutto (Individual Pakistan) and India Water Foundation (Institution India) have renewed their direct membership. PFC further noted that the fees structure of direct membership which was approved in 63th IEC, Adelaide, Australia, 2012 has remain unchanged and is continuing since the last ten years.

PFC Minutes Item 3: Review of the position of arrears of annual subscriptions from NCs and Membership status

9. PFC and IEC appreciated and acknowledged that the Jamaica NC has become a new member of ICID by paying membership subscription with effect from 2022.

10. PFC noted that a one-year grace period was given to the NCs for clearance of their arrears till 1 January 2022 by 71st IEC Virtual Meeting held in December 2020 (COVID-19) which was further extended up to 31 March 2022 by 72nd IEC vide IEC Resolution-1/72. Grace period was further extended up to 30 June 2022 by MB meeting held on 4 May 2022. Special PFC meeting held on 23 August 2022 subsequently further extended grace period to 31 December 2022 considering COVID-19 situation in first quarter of 2022 and ongoing Russia-Ukraine war. PFC in its meeting held on 7 October 2022 and IEC in its meeting held on 10 October 2022 reaffirmed extension of grace period to clear dues till 31 December 2022.

11. PFC noted that NC of Burkina Faso has cleared their dues of 2020 and 2021, NC of Uzbekistan has cleared their dues of 2018 and 2021, NC of Iran has cleared their due for two years 2020 and 2021 and NCs of France, South Africa, Zambia have cleared their dues of 2021.

12. Five (5) NCs of Iraq, Ireland, Malawi, Sudan and USA have arrears for the two years 2020 and 2021 excluding current year dues, in spite of several requests made to the NCs to clear their balance of subscription. PFC recommended and IEC vide Resolution 1/73 approved to apply By-law 13.1 to the above National Committees debaring them from holding office whether it be as an Office Bearer or as a member of a working body until such time the arrears are paid.

13. Ten (10) NCs have arrear of 3 years and more excluding current year out of these NCs, Slovenia continues to be in membership subscription arrears for 5 years (2017, 2018, 2019, 2020, and 2021) while Afghanistan, Croatia, Fiji, Mali, Mexico, Romania, Somalia, Ukraine, and Vietnam have membership subscription arrear for the year 2018, 2019, 2020, 2021 and the current year 2022. Several requests have been made to these NCs to clear their balance of subscription. PFC recommended and IEC approved with regret to apply By-law 13.2 to above National Committee to relegate these NCs to the "Associate Member" category if the arrears are not cleared by 31st December 2022.

PFC Minutes Item 4: Review of the financial status of recently held ICID events**PFC Minutes Item 4.1: 5th African Regional Conference and 72nd IEC, Meeting November-December 2021**

14. PFC noted that due to COVID-19 pandemic, the 72nd IEC meeting was held in two parts, physically on 26th November 2021 at Marrakesh, Morocco and virtually on 15th- 16th December 2021.

15. Prof. Dr Bartali of Morocco NC informed that 94 paid foreign delegates and 92 national delegates registered. In addition, 300 delegates from the country participated in the 5th African Regional Conference and 72nd IEC, Meeting held in November 2021. He further informed that 15% share of registration fee contribution to ICID amounting to US\$ 5730 is being processed for transfer to ICID. PFC and IEC acknowledged the contributions with thanks to ANAFIDE and also gratefully acknowledged efforts of ANAFIDE to handle unforeseen pandemic outbreak and facilitating the international delegates in returning at short notice.

PFC Minutes Item 5: Review of financial proposals for the forthcoming ICID events

16. As per the PFC recommendation, the financial arrangements basically designed for the registration fee structure for 24th ICID Congress and 73rd IEC meeting, Adelaide, Australia and 74th IEC and 4th WIF, Beijing, China have already been approved as per Minutes of the 41st Meeting of the PFC of 71st IEC Meeting, and 10th MIC, Dakhla, Morocco has also been approved as per the 42nd Meeting of the PFC of 72nd IEC Meeting, which are given below in tabular form:

| Venue / Year | Adelaide, Australia, March 2022 | Beijing, China April 2023 | | Dakhla, Morocco, January 2023 |
|-------------------------------------|---|---|---------------------|-------------------------------------|
| | 24 th Congress and 73 rd IEC | 74 th IEC and 4 th WIF | 4 th WIF | 10 th MIC |
| Full Registration/Foreign Delegates | \$ 800 | \$ 800 | \$ 700 | \$ 350 |
| Non-Member Fee | \$ 900 | \$ 900 | \$ 800 | -- |
| Young Professional (International) | \$ 400 | \$ 400 | \$ 350 | \$ 200 |
| Young Professional (Local)/Student | -- | -- | \$ 350 | \$ 150 |
| Local Delegates | \$ 800 | -- | \$ 500 | \$ 200 |
| Retired Professionals | \$ 400 | \$ 400 | \$ 350 | \$ 250 |
| Accompanying Persons | \$ 300 | -- | \$ 300 | \$ 200 |
| Daily Registration | -- | -- | \$ 200 | |
| Delegates from Low Income (LIC) | -- | -- | -- | \$ 200 |
| | | Early Bird Discount US\$ 50/25 (for YPs and Retired professionals) | | |

17. Vide Resolution IEC-2/72, the organization and registration fees structure of 75th IEC and 25th Congress at Vishakhapatnam, India in November 2023 was also approved as per the minutes 72nd IEC Meeting. After discussion during PFC, Indian NC revised the fee structure as given below, which was subsequently approved by IEC in its meeting held on 10 October 2022.

| REGISTRATION FEE STRUCTURE (US\$) | | | |
|--|---|-------------------------|-------------------|
| Venue / Year | Vishakhapatnam, Andhra Pradesh, India, November 2023 | | |
| Event | 75th IEC + 25th Congress | | |
| | | After Early Bird | Early Bird |
| Member Countries | Congress + Council | \$750 | \$700 |
| | Congress only | \$450 | \$400 |
| | IEC only | \$400 | \$350 |
| Non-Member Fee | Congress + Council | \$850 | \$750 |
| | Congress only | \$500 | \$450 |
| | IEC only | \$450 | \$400 |
| Young Professionals (Below 40 years / Retired Professional) | Congress + Council | \$375 | \$350 |
| | Congress only | \$200 | \$175 |
| | IEC only | \$200 | \$175 |
| Local Delegates | Congress + IEC | \$250 | \$225 |
| Student Registration | Congress Only | \$200 | \$ 175 |
| Accompanying Persons | Congress + IEC | \$250 | \$225 |
| | Congress Only | \$200 | \$ 175 |
| | IEC Only | \$175 | \$150 |

18. Proposal for organizing the following events were already approved by IEC in 2022 i.e., 14th International Drainage Workshop (IDW) at Tajikistan in September 2023 rescheduled to May/June 2024 by IEC, 76th IEC and 9th Asian Regional Conference (ARC) at Sydney, Australia in September 2024; and 77th International Executive Council and WIF5 in May 2025 at Putrajaya, Malaysia. As per Form 'A' received from the respective host NCs, PFC recommended and IEC approved proposed registration fee structure of these events as given below.

| Venue / Year | Dushanbe, Tajikistan, May/June 2024 |
|---|--|
| Event | 14th IDW |
| Full Registration/Foreign Delegates | \$ 400 |
| Non-Member Fee | \$ 500 |
| Young Professional (International/Local)/Student | \$ 200 |
| Local Delegates | -- |
| Retired Professionals | \$ 200 |
| Accompanying Persons | \$ 150 |
| Daily Registration | -- |
| Delegates from Low Income | -- |

| REGISTRATION FEE STRUCTURE (US\$) | | | |
|--|---|-------------------------|-------------------|
| Venue / Year | Sydney, Australia, September 2024. | | |
| Event | 76 IEC + 9th ARC | | |
| | | After Early Bird | Early Bird |
| Member Countries | Regional Conf./IMIC/IDW+Council | \$ 880 | \$ 825 |
| | Regional Conf./IMIC/IDW only | \$ 715 | \$ 660 |
| Non-Member Fee | Regional Conf./IMIC/IDW+Council | \$ 990 | \$ 935 |
| | Regional Conf./IMIC/IDW only | \$ 825 | \$ 770 |
| Young/Retired Professionals | Regional Conf./IMIC/IDW+Council | \$ 440 | \$ 385 |
| | Regional Conf./IMIC/IDW only | \$ 220 | \$ 165 |
| Local Delegates | Regional Conf./IMIC/IDW only | \$ 760 | \$ 720 |
| Student Registration | Regional Conf./IMIC/IDW only | \$ 165 | \$ 110 |
| Daily Registration | Regional Conf./IMIC/IDW only | \$ 220 | \$ 220 |
| Accompanying Persons | Regional Conf./IMIC/IDW+Council | \$ 330 | \$ 275 |
| | Regional Conf./IMIC/IDW only | \$ 220 | \$ 165 |

| REGISTRATION FEE STRUCTURE (US\$) | | | |
|--|---|-------------------------|-------------------|
| Venue / Year | 77th IEC and 5th WIF Putrajaya, Malaysia, May 2025 | | |
| | | After Early Bird | Early Bird |
| Member Countries | WIF/Congress + Council | \$ 800 | \$ 750 |
| Non-Member Fee | WIF/Congress + Council | \$ 900 | \$ 850 |
| Young/Retired Professionals | WIF + Council | \$ 400 | \$ 380 |
| Local Delegates | WIF/Congress | \$ 200 | \$ 150 |
| Student Registration | WIF/Congress | \$ 150 | \$ 100 |
| Daily Registration | WIF/Congress | \$ 200 | -- |
| Accompanying Persons | WIF + Council | \$ 300 | \$ 250 |

19. PFC noted that 72nd IEC meeting held in December 2021 (virtual) approved organization the Middle East Regional Conference by the Saudi Arabian National Committee of ICID (SACID) in collaboration with Saudi Irrigation Organization (SIO) in March 2024 and Form-A from SACID is awaited.

PFC Minutes Item 6: Consider the audited accounts of ICID for the Financial Year 2021-22**PFC Minutes Item 6.1: Auditor's Report**

20. The Committee considered the Audit Report of M/s Tarun Kandhari & Co. LL.P., Statutory Auditors for the financial year 2021-2022 presented in **Annex 2, page 31** of PFC agenda notes. The PFC having been satisfied with the report, recommended that the Audit Report for the FY 2021-2022 submitted by M/s Tarun Kandhari & Co. LL.P. be approved by IEC which was later approved by 73rd IEC in its meeting held on 10 October 2022 vide Resolution – 1/73.

21. The Committee noted that the arrears of subscriptions during the current year represent the normal time lag in remittance of subscription by NCs.

PFC Minutes Item 7: Budget and Expenditure for the Financial Year 2021-22**PFC Minutes Item 7.1: Comparison of budget estimates and actual expenditure for FY 2021-2022**

22. The Committee noted that there has been an overall deficit of ₹ 29.78 million (US\$ 397,084) against a deficit of ₹ 20.32 million (US\$ 270,897) predicted in the revised budget for the year 2021-2022. Increase in deficit is mainly due to reduced income in Membership Subscription and slight increase in expenditure due to COVID 19 pandemic impacting the ICID budget.

SPECIAL SUBSCRIPTION

23. The Committee also noted that during the financial year 2021-2022 an amount of ₹ 0.38 million (US\$ 5,000) was received on 29th March 2021 as a Special Subscription for technical support to YP Activities from Japan National Commission of International Commission on Irrigation and Drainage (JNC-ICID), Japan. The Committee recommended and IEC recorded its appreciation for the contributions made by JNC-ICID.

PFC Minutes Item 8: To consider revised budget proposal for the current FY 2022-2023; budget proposal for FY 2023-2024; preliminary budget for FY 2024-2025 and forecast budget for FY 2025-2026

24. The committee was informed that Central Office is operating with 15 staff members including support staff. PFC noted that despite the new activities being undertaken and proposed to be undertaken during the next financial year, the work is being accomplished through the prevailing staff and moderately by hiring the services of consultant on short-term basis as and when required.

25. The Committee considered the revised budget for the FY 2022-2023 and the budget proposal for the FY 2023-2024, preliminary budget for 2024-2025 and forecast budget for 2025-2026. The Committee noted a deficit in proposed revised budget corresponding to approved budget 2022-2023 is mainly due to reduced rental income and no special contribution from ICID events. PFC endorsed the financial management of the Central Office for maintaining a strong situation for the remaining years. PFC noted that M/s YES BANK has vacated the rented premises in June 2021 and the same is still lying vacant, affecting the total income of ICID. PFC further noted that ICID CO is making its sincere and vigorous efforts for renting of vacant premises to a new tenant.

26. PFC noted that Gratuity Fund and Leave Encashment Fund are being retained to meet future obligations and appreciates the determination made in this regard.

27. The committee reviewed the preliminary budget for FY 2024-2025 and forecast budget for 2025-2026 and recommended revised budget for FY 2022-2023 and the proposed budget for FY 2023-2024 (as presented in **Annex 3** of PFC agenda notes) to IEC for approval, which was later approved by 73rd IEC in its meeting held on 10 October 2022 vide Resolution – 1/73.

PFC Minutes Item 9: Surplus/Deficit and Cash Reserves

28. The Committee noted that the Cash Reserves at the beginning of the FY 2022-23 is INR 44.00 million (US \$ 586,675) allowing for sundry debtors, bank balances and investments. The reserves for the previous year of 2021-2022 were INR 60.63 Million (US\$ 819,272). The Committee realized that this is not a very healthy sign for the financial sustainability of any organization and recommended that after meeting all the liabilities the Cash Reserve may be allowed to be build up at least equal to the estimated annual payments. However, the Committee noted the strategy to improve the cash reserve with reference to annual expenditure on an incremental basis.

PFC Minutes Item 10: Approval to cumulative Inflation Factor and Impact of cumulative Inflation Factor on the Formulae for upcoming three years for the annual subscription rates

29. The PFC observed that the Council in its 68th meeting held on 14 October at Mexico City, Mexico endorsed the PFC recommendation of revising the 1991 formulae being used at that time as given below. IEC also approved that the annual subscriptions rates shall be recalculated every three years during the meeting of IEC in a Congress year by taking into account cumulative inflation factor.

30. The approved revised formulae effective from 01st January 2018 is as given below:

$$S (2017) = \{1515 + \text{UNC} + 1900 A^{*0.35}\} \times \{\text{InF}\} \dots \{\text{for NC with } A > 9.35 \text{ M}\}$$

$$S (2017) = \{1515 + \text{UNC} + 1360 A^{*0.5}\} \times \{\text{InF}\} \dots \{\text{for NC with } A < 9.35 \text{ M}\}$$

Where,

- (i) S (2017) is the subscription in US \$;
- (ii) UNC, for countries paying UN contribution
 - < 0.30 per cent: UNC = 0.
 - > 0.3 per cent but < 0.6 per cent: UNC = US \$ 725
 - > 0.6 per cent but < 1.5 per cent: UNC = US \$ 1450
 - > 1.5 per cent but 3.00 per cent: UNC = US \$ 2900
- (iii) A is the Weighted Benefitted Area calculated as follows:
 - Weighted Benefit area= IA + (0.5)* DA..... if IA > DA
 - Weighted Benefit area= DA + (0.5)* IA..... if DA > IA and Irrigated Area (IA); Drainage Area (DA)
- (iv) InF is the cumulative Inflation Factor for three years as obtained from the IMF DATA

31. The annual subscription was to be revised based on cumulative three years inflation factor (InF) in 2020. From IMF data average inflation factor of the world for three years 2018, 2019 and 2020 were 3.6%, 3.5%, and 3.2% making total of 10.3% rounded to 10% for three years. So annual subscription amount was to be increased on an average by 6.5% for each active national committee w.e.f. 01st January 2021 after taking the inflation factor into consideration in the subscription formulae. However, considering the COVID-19 Pandemic situation and problems faced by different NCs, 71st IEC based on recommendations of PFC approved to defer increase in annual subscription by a year, i.e. till 1 January 2022. Again, on the recommendation of PFC, 72nd IEC approved postponing this increase in annual membership subscription by one more year till 01 January 2023 keeping in view the COVID-19 pandemic during 2021, as a special case.

32. In view of improved COVID-19 situation which is now under control but the recovery process is still on and in order to increase revenue of ICID, the issue of increase of annual subscription was discussed in detail in PFC meeting. After deliberation, PFC recommend to IEC to increase subscription rate by 6.5% from the year 2024, which was subsequently approved by 73rd IEC in its meeting held on 10 October 2022 vide Resolution-1/73.

PFC Minutes Item 11: Status of Renting Out of ICID Vacant Premises

33. PFC noted that the ICID premise is lying vacant from 15th June 2021 after the then tenant M/s Yes Bank vacated the premises. After lot of efforts, International Solar Alliance (ISA) agreed to take the entire premise on rent and signed offer letter in the end of January 2022 to take premise on rent with effect from 1 February 2022 and also paid first installment of the security deposit equivalent to the one-month rent. Subsequently, Director General, ISA informed SG on 1 February 2022 that due to some procedural approval at the level of their President they will not be able to take the premise on rent from February 2022 and it may take few months to complete entire approval procedures. They suggested that in the meantime ICID can explore on getting another tenant also. Rent agreed with the ISA was about 16% lower than what ICID was getting earlier from M/s Yes Bank. Even after about 6 months of signing offer letter by ISA they have not confirmed their final decision about renting of the premises. ICID had been constantly following up with ISA. In the meantime, all efforts were made to get another tenant and number of parties have visited premises but without any success on agreement.

34. PFC was informed that that an offer letter has been signed with new party- M/s Fuel Square Petroleum Private Limited who have agreed to take the entire vacant premises on rent from 15 September 2022 at a monthly rent of ₹ 4.0 million (US\$ 53,333). However, party is yet to make payment of security deposit and take possession of vacant premises. They are being constantly pursued for completing all the required formalities.

35. PFC noted that non-rental income, which was about 60% of total revenue of ICID, has resulted in reduction of income drastically from the month of July 2021 to the present date. PFC further noted that the pure subscription income is not adequate to support the salary and core operations of ICID.

36. After deliberations, the Committee emphasized that the recurring loss of revenue income from rent needs to be taken seriously and alternative measures have to be found and stressed that at this point, the priority should be to restore rental income as quickly as possible.

PFC Minutes Item 12: Setting up of a Sub-Committee on Current Financial Status of ICID

37. The First Virtual MB (1/22) held in May 2022 took note of the Resolution IEC-1/72 adopted by the 72nd International Executive Council (IEC) meetings held on 15-16 December 2021 regarding the setting up a sub-committee comprising of Chairman PFC, other present and past office bearers with Secretary General to go into the current financial status and to develop a set of alternative strategies for dealing with the loss of revenue from vacation of rented premises and suggest a Plan B. PFC observed that MB was of the view that committee may be setup once new tenant is in place as it will provide complete picture of ICID financial aspects.

38. This issue was discussed also during Special PFC meeting held on 23 August 2022. PFC chair suggested that instead of Sub-committee, a Task Team may be setup to look into all aspects related to overall sustainability of ICID including financial issues. After deliberation in detail, PFC recommends IEC to set up a Task Force to look into overall sustainability of ICID including financial aspects.

PFC Minutes Item 13: Financial Sustainability of ICID

39. PFC noted that the financial sustainability analysis carried out earlier by ICID CO in 2016/17 has been updated with data up to 2021. As per financial sustainability analysis, it was observed that about 60% of the revenue of the organization is contributed through rent from office space and disruption in rental income has significantly impacted finances of the Commission. Rental income has been disrupted for a period of more than 14 months and accordingly ICID may have to make some compromises in its annual budget and activities. Likewise, with 100% reduction in rental income, it would be difficult to meet even salary expenses as receipts from other revenue heads (such as annual membership subscription, direct membership subscription and special subscription, etc.) are not adequate.

40. PFC further noted that as of now, operating expenses has been met from operating surplus reserves for more than a year now and ICID has taken number of austerity measures to reduce expenses such as withholding of 25% of the salary, rationalizing horticulture and security expenses, use of vehicles etc.

41. After deliberations, PFC suggested to undertake financial sustainability analysis in detail and to identify action points and measure to ensure sustainability of more than 70 years' old organization as dependence of sustainability of organization only on rental income is not a good sign. As indicated in item 12, PFC recommended IEC to setup a task force for detailed overall sustainability of the Commission.

PFC Minutes Item 14: Miscellaneous/Others Financial Issues



**REPORT OF THE 33RD MEETING OF THE
PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**

08 October 2022, 14.00-18.00 hours

Adelaide, Australia

Mandate: The Permanent Committee on Strategy and Organization (PCSO) shall be concerned with increasing the number of member countries and assisting the National Committees to become more active in their own countries to achieve the goals set for them from time to time by the Council. The Committee will also coordinate the activities of Vice Presidents (Resolution IEC-3/66)

Members Present: (1) Vice President Dr. Mochammad Amron (Indonesia, 2019); (2) Vice President Hon. Dr. Marco Arcieri (Italy, 2018); (3) Vice President Dr. Jin-Yong, Choi (South Korea, 2020); (4) Vice President Dato' Ir. Nor Hisham bin Mohd Ghazali (Malaysia, 2020); (5) Vice President Prof. Dr. Tsugihiko Watanabe (Japan, 2021) and (6) Er. Ashwin B. Pandya, Secretary General, ICID.

Ex-Officio Members Present: Chairpersons of all Regional Working Groups and Working Groups/Committees.

Observers Present: (i) Prof. Dr. Ragab Ragab, President, ICID (UK); (ii) Mr. Bruno Grawitz (France); (iii) Prof. Dr. Sylvester Mpandeli (South Africa); (iv) Dr. Sarwo Edhy (Indonesia); (v) Dr. Foyya Y. Aquino (Indonesia); (vi) Dr. Revalin Heodionita (Indonesia); (vii) Dr. Aynur Fayrap (Turkey);

PCSO Minutes Item 1: ATR on the Minutes of the 32nd Meeting of PCSO

1. The Committee noted the Action Taken Report and approved the same.

PCSO Minutes Item 2: Membership of PCSO and its Workbodies

2. Based on the recommendations of the various workbodies associated with it, PCSO reviewed the membership and recommended for acceptance by the Council. Consequent upon the acceptance by the Council, an updated consolidated membership of all workbodies, including those of PCSO and its workbodies, is given in **Annex 3 (Page 29)** of 73rd IEC minutes.

PCSO Minutes Item 3: Membership of ICID

PCSO Minutes Item 3.1: Status of ICID Memberships and Reactivation of Associate Members

3. The Committee appreciated the intensive membership drive that is being undertaken by the Central Office under the guidance of President Prof. Dr. Ragab Ragab by approaching associate member countries as well as non-member countries to become active members of ICID through the concerned ministries and diplomatic consulates and embassies located in New Delhi.

4. The Committee noted that ICID Central Office contacted the authorities in Benin, Djibouti, Ethiopia, Senegal, and Tunisia through young professionals, who participated in the YP Training Programme and 5th African Regional Conference last year in Marrakech and with the help of the list of Coordinators of African Young Professionals shared by VPH Dr. Mohamed Wahba. However, only two YPs responded from Benin and Congo and shared the contact coordinates of the authorities, who have been invited to join ICID as its members by providing them with all relevant documents. The Committee also noted the efforts made towards the reactivation of the membership of Tunisia and appreciated the efforts of Tunisian YP Ing Dr. Latifa Dhaouadi and VPH Dr. Mohamed Wahba in this respect. The Committee also appreciated the efforts of ANAFIDE which has agreed to pay the membership subscription for Niger during the initial year of their membership. The Committee was apprised of the progress made towards the reactivation of the membership of Kenya and Zimbabwe, which are being processed by the concerned authorities in respective countries. The Committee was informed that Algeria, Senegal and Tanzania have responded positively to ICID's invitation to join as members; however, their formal membership application forms for reviving their memberships are yet to be received in ICID Central Office.

5. The Committee urged that the membership drive in Africa Region may be continued by contacting the rest of the countries, viz. Algeria, Botswana, Burundi, Cameroon, Central Africa Republic, Chad, Cote d'Ivoire, Djibouti, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Lesotho, Liberia, Libya, Madagascar, Mauritania, Namibia, Niger, Rwanda, Senegal, Sierra Leone, Somalia, South Sudan, Swaziland, Tanzania, Togo, Uganda and Zimbabwe through the YPs concerned from these countries. The Committee felt that the continued efforts will become soon fruitful in making more countries from Africa region to be part of ICID fraternity.

6. The Committee was pleased to note that Jamaica has become a member of ICID with effect from 2022, subject to approval of 73rd IEC meeting at Adelaide. However, the Committee noted with concern the decline of ICID membership in the America region, with Brazil already an Associate Member and Mexico soon to be one, with arrears in membership subscription accruing. The Committee asked the Central Office to continue to pursue with the Brazil NC to reactivate their membership, Mexico to clear their arrears to be an active member and Argentina to become a member of the Commission.

7. In Asia region, the Committee commended the efforts by ICID Central Office towards the membership of Azerbaijan, Israel, Jordan, the Kyrgyz Republic, Lebanon, Libya and Syria, besides approaching the non-member countries, which are members of Arab Water Council (AWC) as per the counsel of President Prof. Dr. Ragab. The Committee appreciated the efforts of KCID for agreeing to remit the first year membership subscription of Lao PDR on their behalf. The Committee felt that the sponsoring of the membership fees of LDCs can be followed by the other countries in their regions too, especially in Europe and America Regions.

8. The Committee was apprised of the scenario with regard to the membership of The Netherlands NC (NETHCID), a founding member of ICID, on account of the added value of NETHCID membership has decreased over the past years and this has been case with most of the NCs in Europe which are without any Government support, as intimated by NETHCID. The Committee noted with concern in the matter and suggested that possible solutions may be evolved to make ICID membership of added value to the European NCs and NCs elsewhere which face such problems as indicated by NETHCID.

9. The Committee after deliberations recommended that attempts in the lines followed presently may be continued by soliciting support from NCs like ANAFIDE for bringing in Francophone countries of Africa to become member of ICID. The Committee appreciated the offer of South Africa for bringing in membership of SADEC region countries through bilateral arrangements and asked the Central Office to work with SANCID for furthering this activity. The Committee also recommended that the Asia Pacific Water Summit and Japan Water Forum venues may be utilized for promoting ICID membership amongst ASEAN and Pacific countries, with the help of JNCID in this case.

PCSO Minutes Item 3.2: Vice Presidents' reports: Strengthening regional cooperation and activities of National Committees

10. The Committee appreciated the efforts of Vice Presidents in strengthening the regional cooperation among NCs and coordinating the activities of NCs allocated to them. The Committee was informed that the NCs have been encouraged to hold web conference with ICID Central Office or the Vice President in-charge on any issue that they may want to discuss or seek clarification, and the Central Office has always been facilitating such web meetings.

11. The Committee noted that ICID has supported the regional cooperation amongst the NCs by organizing the training programs, workshops, research in irrigation and drainage. The Committee appreciated the support and encouragement to regional cooperation among NCs in Africa region by organizing the YP Training Programs for African Young Water Professionals by African Regional Working Group under the chairmanship of VPH Dr. Mohamed Wahba during the Cairo Water Weeks in Cairo, Egypt ever since its inception in 2018, including this year during CWW 2022 from 16-19 October 2022 in collaboration with international partner organizations like IsDB, ICARDA etc. The Committee appreciated the efforts of VPH Dr. Mohamed Wahba, Chair, AFRWG and VP Aziz Fertahi (Morocco) towards the ICID membership drive undertaken in the African region.

12. The Committee commended the efforts by ICID Central Office towards promoting regional cooperation among the NCs, by facilitating study tour of the Transforming Irrigation Management in Nigeria (TRIMING) Project Steering Committee members under the aegis of Nigerian National Committee of ICID (NINCID) to Morocco from 06-09 March 2022 with support from ANAFIDE.

13. The Committee noted with appreciation the efforts of VP Prof. Choi, Jin-Yong (Korea) for his commitment to expand ICID membership in Asia region. This has resulted in the possibility of Laos PDR becoming a member of ICID, with the support from KCID towards their membership fee for one year, as assured by VP Prof. Choi.

14. The Committee noted the assistance provided by VP Prof. Dr. Tsugihiko Watanabe (Japan) and VP Eng. Rafat Nael Al-Intaki (Iraq) towards the reactivation of Mexican NC and in obtaining the contact details of the authorities in the countries belonging to regions allocated respectively, in supplementing the efforts of ICID Central Office in this regard. The Committee also noted the offer by VP Dr. Mochammad Amron (Indonesia), Chair, PCSO to get the contact details of countries like Timor-Leste, Papua New Guinea, etc. in order to invigorate ICID membership in Asia-Oceania region and collaboration among the NCs in the region.

15. The Committee exhorted the Associate Members to reinitiate the activities within the countries and at the same time renew their membership by paying the subscription fees due and requested Vice Presidents of the concerned regions to use their good offices for reactivation of such NCs. The Committee asked the Central Office to provide

the required support to the Vice Presidents in their correspondence with countries in their region in order to reactivate and motivate the deemed inactive NCs to become active members of ICID. Vice Presidents have been requested to provide a brief report on their efforts in this direction and results achieved thereon prior to the annual meeting of the Committee next year.

16. The Committee lauded the efforts of Saudi Arabian NC (SACID) for setting up a Middle-East Regional Conference which will result in bringing ICID activities to the region. The Committee encouraged the establishment of communication channels in non-member countries through promotion of enhanced direct membership in the regions and setting up of precursor NCs in non-member countries for taking up eventual sustainable membership.

PCSO Minutes Item 3.3: Recommendations of the Direct Membership Administering (DMA) – Sub Committee

17. The Committee noted and supported the proposal for granting Direct Membership to a new applicants as given below, as per the recommendations of the DMA Sub-Committee.

| Sl. No. | Name of Applicant | Country | Type of Membership Applied for |
|---------|--------------------------------|-------------|--|
| 1. | Mr. Aariz Ahmed | India | Individual Young Professional (2023) |
| 2. | Mr. Aloysius Mubangizi | Uganda | Individual Young Professional (2023-2025) |
| 3 | M/s Vassar Labs | India | Company, In-principle approval subject to payment of membership dues |
| 4 | Dr. Celso Miguel Abdala Tamela | Mozambique | Individual, In-principle approval subject to payment of membership dues |
| 5 | Mr Thibaul T. Simon (.) | Cambodia | Individual YP, In-principle approval subject to payment of membership dues |
| 6 | Mr. Ebissa Gadissa Kadir | Rwanda | Individual YP, In-principle approval subject to payment of membership dues |
| 7 | Dr. Erion Bwambale | Uganda | Individual YP, In-principle approval subject to payment of membership dues |
| 8 | Directorate of Irrigation | Iraq | Institution, In-principle approval subject to payment of membership dues |
| 9 | Mr. Ahmed Abuzeid | Germany | Individual YP (2023-2025) In-principle approval subject to payment of membership dues |
| 10 | Mr. Nurzada | Afghanistan | Individual Life membership-In-principle approval subject to payment of membership dues |

PCSO Minutes Item 4: Road Map to ICID Vision 2030: Review of the Action Plan

18. The Committee noted the activities identified by WGs, RWGs, NCs and ICID CO in the Action Plan, appended to the 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf), which are committed to be achieved over a period of five years.

19. The Committee was informed that the capacity development is one of the activities that has been progressing well under the Action Plan. The Committee was informed that a series of webinars and trainings and online courses have been organized as part of this activity. The YP Training Programs were well organized and the webinars were also attended in large numbers.

20. The Committee reviewed the updates on the identified activities in Action Plan by RWGs and workbodies and found that the existing mechanism to monitor the Action Plan is adequate. The Committee recommended that the (i) Action Plans can be dynamically reviewed and updated based on the progress of the relevant WG; (ii) RWGs may monitor the activities of relevant Working Groups for implementation of Action Plan and (iii) Capacity Building Programs for enhancing the goals need be encouraged, by utilizing the local country level resources for the purpose.

PCSO Minutes Item 5: Knowledge Management Strategy (KMS)

21. The Committee was informed that in order to manage the knowledge processes within the ICID network, a Knowledge Management Division (KMD) was set up in 2017 at the Central Office of ICID based on the recommendations emerging from consultations of the ICID Working Groups on Knowledge theme, and also from

various ICID partners. The Knowledge Management (KM) has been mandated to review the existing KM processes in water management organizations throughout the world and to suggest future strategies to be adopted by ICID members, partners, and other stakeholders keeping in view the resources available under the existing institutional framework. Besides, the KMD is engaged in developing a distribution network for the knowledge base and ICID publications on agricultural water management. It is also entrusted with the task of developing an interactive Knowledge Portal for improved information flow within, and outside the ICID network.

22. The Committee noted with appreciation that more publications are being brought out by the WG/ICID. In this direction, e.g., Value Engineering for Savings in Irrigation, Drainage and Flood Management Projects (e-book Publication of the Task Force on Value Engineering), Water-Saving in Agriculture - A Roadmap to ICID Vision 2030, a publication brought out by ICID CO based on analysis of WatSave awards till 2020, which was released during 24th ICID Congress in 2022 in Adelaide in October 2022. Another publication as a compendium on historical irrigation structures recognized under WHIS Scheme till 2020 is under finalization and is planned to be released during 25th ICID Congress to be held at Vishakhapatnam, India in November 2023.

23. The Committee supported the efforts of KMD to collate all papers presented at the Congresses, WIFs, Regional Conferences and other ICID events in a searchable mode on a platform, so that the professionals can look at the topics of interest in a historical manner and become familiar with the current status of these topics too.

24. After deliberations, the Committee observed that KMS is the need of the hour and proposals of building a knowledge base by Central Office need to be encouraged. The Committee urged the National Committees and Working Groups to utilize the available web services and other services of ICID for enhancing and disseminating their outputs. The Committee recommended that the (i) Publications of relevant works through ICID platform may be built up; (ii) ILMS, Products and services directory and MTD need be strengthened and made integral into the knowledge repository and (iii) KMS may be oriented towards enhancing the value addition of ICID membership.

PCSO Minutes Item 6: Collaboration and Cooperation between ICID and other International Organizations

25. The Committee appreciated the increasing cooperation with International Organizations and collaborative activities undertaken during the year 2021-22, which resulted in the participation and contributions during global events organized by partner organizations such as 9th World Water Forum at Dakar, Senegal from 21-27 March 2022, ESCWA organized Arab Regional Preparatory Meeting for the Midterm Comprehensive Review of the Water Action Decade held on 18-19 May 2022 in Beirut, Lebanon, 27th ICOLD World Congress at Marseille, France on 30 May 2022, etc. The representation of ICID by President, Office-Bearers and Working Group Chairs in sessions such as Roundtable discussions during 27th ICOLD Congress, etc. resulted in greater collaboration with various global partners of ICID such as ICOLD, etc.

26. The Committee noted that ICID has standing MoUs with AARDO, CSIRO-Australia, IGS, IWA, IWRA, WMO, AWC, ICBA, ICARDA and ICOLD. Following the decision of the 71st IEC (virtual) meeting vide its Resolution IEC-1/71 that MoUs may be signed with the international partner organizations based on mutual concurrence on the scope of work, participation in ICID activities etc., ICID Central Office has been exploring with the partner organizations such as FAO, the World Bank, DWFI, GWP, IFAD, ICRISAT, IWMI, WWC, etc., who are actively involved in the organization of WIFs and Congresses. This has resulted into signing of a MoU with IWMI during 24th ICID Congress at Adelaide, Australia in October 2022.

27. The Committee noted with satisfaction that the increased collaborative activities with the World Bank has resulted into the formation of a Task Force on "International Network of Service Providers for Irrigation Excellence (INSPIRE)" and holding a special session during Adelaide on 05 October 2022.

28. The Committee appreciated the Central Office in forging collaborative activities with International Association for Agricultural Sustainability (IAAS), which has evinced interest in participating and contributing to the 10th International Micro Irrigation Conference (IMIC) at Dakhla, Morocco from 25-27 January 2023. The Committee noted ICID's admission as a member of World Historic and Cultural Canal Cities Cooperation Organization (WCCO) with effect from 27 June 2022, without any financial commitments on account of membership fee, etc. and appreciated the initiative of VPH Dr. Mohamed Wahba in this regard. The Committee supported ICID's potential collaboration with International Association of Hydrogeologists (IAH) on one of their Strategic Overview Series of groundwater papers on irrigation, drainage and groundwater, with ICID specialists to act as 'formal contributors' on the production of the new title 'Irrigated Agriculture & Groundwater'.

29. The Committee was informed that the Virtual Irrigation Academy (VIA), which is organizing Young Professionals' Training Program during 24th ICID Congress and managed by CSIRO Agriculture and Food based organization in Canberra, Australia, has agreed to make a presentation during the 42nd meeting of PCTA at Adelaide, Australia for the benefit of the participants.

PCSO Minutes Item 7: Review of reports of Regional Working Groups (RWGs)**PCSO Minutes Item 7.1: African Regional Working Group (AFRWG)**

30. VPH Dr. Mohamed Wahba presented the report of the AFRWG. Dr. Wahba informed that AFRWG won the Best Performing Workbody Award 2022 and thanked the Vice Chair Prof. Sylvester Mpandeli, Secretary Dr. Ismael El-Hassanoui, all the WG-members and the YP's for their great contributions in the activities of the Group. The Committee congratulated AFRWG for winning the 2022 BPWA. The Committee was informed about the support extended by ANAFIDE for agreeing to pay the one-year membership subscription of Niger National Committee for reactivating its membership. The Committee appreciated ANAFIDE for such initiatives which will augment ICID membership network by supporting LDCs to become its members with support from member NCs such as ANAFIDE. The Committee noted that the total numbers of the African Young Water Professional Forum (AfYWP-Forum) in LinkedIn has reached to more than 6300, and more than 1030 members in ICID-Young Professional's e-Forum (IYPeF). It was reported that WhatsApp group of 43 African countries has been established. About 6 non-African countries Whatsapp groups have also been established and efforts are being made to encourage more countries to join ICID family. The preparations for organizing the 5th Af-YWP Forum under the platform of CWW2022 have been done. A special issue for best papers in the 10th Micro irrigation Conference in Morocco in World Water Policy Journal has been arranged. AFRWG organized a number of webinars and online free course in collaboration with partner organizations such as ESCWA, VIA etc. on various topics of interest to the RWG. AFRWG is planning to support 10 YP's for South Africa Conference and Training Workshop in March 2023. AFRWG organized a VIA workshop for YP's during 24th ICID Congress in October 2022. VPH Dr. Wahba, Chair, AFRWG visited Tajikistan and attended the UN water conference and supported the preparation of Tajikistan NC's bid for organizing the 14th International Drainage Workshop at Dushanbe in 2024. AFRWG was instrumental in supporting the cooperation between FAO and ICID through ICID experts-Focal Points in FAO clusters and joining its Zoom meetings. AFRWG supported NINICID's proposal for the organization of the 6th African Regional Conference in Nigeria.

PCSO Minutes Item 7.2: American Regional Working Group (AMRWG)

31. No meeting of AMRG was organized so no report of AMRWG was presented at the meeting.

PCSO Minutes Item 7.3: Asian Regional Working Group (ASRWG)

32. Dr. Tsughiro Watanabe, Chair presented the report of the ASRWG meeting held on 07 October 2022 at Adelaide. He informed that two interim (virtual) meetings of the RWG were held on 28 February 2022 and 20 September 2022. Ten member countries (Australia, China, India, Indonesia, Iraq, Japan, Pakistan, Sri Lanka, Malaysia, and Turkey) presented their Country Case Studies (CCS) during the Internal Workshop held by ASRWG at Adelaide. The organization of the internal workshop would continue in 2023 to get more reports from some other member countries. The WG recognized that the linkages among NCs of the member countries need to be strengthened and close/smooth communication among the WG members also needs to be established. The ASRWG has long been cooperating with PAWEES and INWEPF as they have common mutual interests.

PCSO Minutes Item 7.4: European Regional Working Group (ERWG)

33. VPH Dr. Marco Arcieri, Interim Chair, ERWG presented the report of ERWG. VPH Dr. Marco Arcieri was elected as the new Chair of the ERWG. The RWG decided to commit to organize one regional working group workshop every two years (virtual or hybrid mode). This will be initiated by listing topics that are interesting for ERWG members such as climate change, extreme events, land use changes etc. RWG discussed the need to strengthen linkages among relevant organizations in each member country and also across the European region. The Committee noted that ERWG has decided to organize a virtual workshop on groundwater management and seawater intrusion to aquifers as a European Regional Workshop. VPH Dr. Marco Arcieri has agreed to take a lead along with VPH Laszlo Hayde for organizing the workshop.

PCSO Minutes Item 8: Review of reports of Working Groups/Committees**PCSO Minutes Item 8.1: Committee on Congresses/Conferences (C-CONGR)**

34. Mr. Kushvinder Vohra (India), Member, Central Water Commission and Ex-officio Additional Secretary to Govt. of India presented the report of the 33rd meeting of C-CONGR in the absence of Mr. Bryan Ward, Chairman of the C-CONGR who will step down with the conclusion of this meeting. Mr. Kushvinder Vohra (India) has been elected as the new Chairman of C-CONGR. It was expressed during the C-CONGR meeting that the decreased Registration Fee may not necessarily lead to increased participation, as mostly the participants are sponsored. The number of participants bearing the expenses on their own may be very less as compared to the sponsored participants. So, it was agreed upon that a detailed analysis needs to be undertaken from the statistics available from past events in order to take an informed view on the reduction of the registration fees. The Committee was informed that the

Tajikistan NC, the host NC for 14th International Drainage Workshop, has been requested to postpone the 14th IDW to 2024, as the year 2023 is heavily loaded with a number of ICID events such as 10th IMIC, WIF4 and 25th ICID Congress. The Committee was informed of the preparations for the WIF4 in Beijing, China; 25th ICID Congress at Vizag, India in November 2023, and WIF5 in Kuala Lumpur, Malaysia in 2025 based on the presentations made by the representatives of the respective NCs at the C-CONGR meeting. Since there was a proposal from the French NC to hold 27th European Regional Conference in 2025 along with that year's IEC, the MANCID has been requested to discuss with their counterparts from French NC to find a way out in scheduling the ICID annual events in 2025 and 2026. The Committee noted the expression of interest from the Nigerian NC to host 6th AfRC at Abuja, Nigeria from 14-18 April 2025.

PCSO Minutes Item 8.2: ICID Young Professional's e-Forum (IYPeF)

35. In its report to the Committee, the IYPeF informed that Er. Ms. Aya Mohammed Hassan Ali Elkholy (Egypt) and Dr. (Ms.) Heidi Salo (Finland) were elected as 'Coordinator' and 'Joint Coordinator' of the IYPeF for the year 2021-2022. The terms of the present Coordinator and Joint Coordinator were extended from 31st August 2022 to 31st December 2022. In December/January 2023, the next election for the positions of coordinator and joint coordinator of IYPeF will be organized. The Committee noted the recommendations of IYPeF that during the annual meetings, there should be field excursions organized for young professionals to get to know better the host country they are visiting; YP social activities (lunch, dinner, etc.) should be organized and YPs may be given an opportunity to share experiences during the annual meetings of ICID or in virtual platforms.

PCSO Minutes Item 9: Organizational issues related to IEC, Congresses, Forums and Conferences

PCSO Minutes Item 9.1: Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)

36. The meeting of the SC-E-THEMES could not be organized at Adelaide in the absence of Chair and only a few members were present. Hence, it was proposed that a virtual meeting of the SC-E-THEMES may be later organized virtually by ICID Central Office in consultation with the Chair of SC-E-THEMES.

PCSO Minutes Item 10: ICID Members' Profile Section

37. The Committee urged members to update the profile section of ICID website for better coordination for technical activities, with the suggestion that adequate security of personal data submitted is ensured for maintaining privacy of the members. The Committee felt that building database of expertise available in ICID fold will go a long way towards improving the impact of organization across the Agricultural water management field.

PCSO Minutes Item 11: Register on World Irrigation and Drainage Schemes (WI&DS)

38. The Committee requested the member to provide inputs to the register and enrich the database. The Committee noted that India has promised provision of around 2000 projects to the register shortly. The Committee asked the members to come up with any difficulty they may encounter for speedy implementation of the register with regard to their countries and inform ICID Central Office accordingly.

PCSO Minutes Item 12: Any Other Business



**REPORT OF THE 42ND MEETING OF THE
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**
09 October 2022, 08.45-15:45 Hours
Adelaide, Australia

Mandate: The Permanent Committee for Technical Activities (PCTA) shall be concerned with all the technical activities of the Commission including all publications of ICID. It will be responsible for activities of the technical work bodies, for selection of Questions/Themes for Congresses, Conferences, Special Sessions, Symposia, etc., for settlement of the technical conclusions thereof and for making appropriate recommendations for action thereon.

Members Present: (1) Vice President Prof. Dr. Tsugihiko Watanabe, Chairman (Japan, 2018); (2) VPH Mr. Ian William Makin (UK, 2019); (3) Mr. Satit Maneepai (Thailand, 2020); (4) VPH Dr. Kamran Emami (Iran, 2021) represented by Mr. Seyed Hosein Taqavi; (5) Dr. Mohamed Mohsin Hafeez (Pakistan, 2021); (6) Ms. Li Ruoxi (China, 2021) and (7) Er. Ashwin B. Pandya, Secretary General, ICID

Permanent Observers Present: Dr. Alok Sikka, IWMI Representative.

Ex-Officio Members Present: (i) VP Dr. Jin-Yong, Choi (Korea), Co-Theme Leader, Strategy Theme – Basin; (ii) VP Dr. Mochammad Amron (Indonesia), Co-Theme Leader, Strategy Theme – Knowledge; (iii) VP Hesham Mostafa Mohamed Ali (Egypt), Co-Theme Leader, Strategy Theme – On-Farm; (iv) VP Eng. Rafat Nael Abdul Ghani Al_Intaki (Iraq), Co-Theme Leader, Strategy Theme – On-Farm; (v) Dr. Ruey-Chy Kao (Chinese Taipei Committee), Chair, WG-SDTA; (vi) VPH Dr. Franklin E. Dimick (USA), Chair, WG-MWSCD; (vii) VPH Prof. Peter Kovalenko (Ukraine), Chair, WG-IDSST represented by VPH Dr. Mohamed Wahba (Egypt); (viii) Prof. Jiusheng Li (China), Chair, EB-JOUR represented by PH Prof. dr. Bart Schultz (The Netherlands); (ix) PH Dr. Saeed Nairizi (Iran), Chair, TF-WWF9; (x) VP Prof. Dr. Tsugihiko Watanabe (Japan), Chair, TF-MTD; (xi) VPH Dr. Mohamed Wahba (Egypt), Chair, WG-CDTE; (xii) Dr. Wenyong Wu (China), Chair, WG-NCWRI; (xiii) VPH Dr. Hafied A. Gany (Indonesia), Chair, WG-IOA; (xiv) VPH Ian Makin (UK), Chair, WG-M&R; (xv) Mr. Ahmet Seren (Turkey), Vice Chair, WG-IDM; (xvi) VPH Dr. Laszlo Hayde (Hungary), acted as Chair in place of VPH Dr. Kamran Emami, Chair, WG-HIST; (xvii) Dr. Carl Walters (Australia), Vice Chair, WG-SON-FARM and (xviii) Mr. Geoff Harvey (Australia), Chair, WG-RWH.

Observers: (i) PH Peter S. Lee (UK); (ii) PH Keizrul Abdullah (Malaysia); (iii) VPH Dr. Marco Arcieri (Italy); (iv) Mr. K. Vohra (India); (v) Mr. Rishi Srivastava (India); (vi) Mr. Aynur Fayrap (Turkey); (vii) Prof. Sylvester Mpandeli (South Africa); (viii) Mr. Toku Okuda (Japan); (ix) Mr. Hiromichi Kitada (Japan); (x) Ir. Bartali El-Houssine (Morocco); (xi) Mr. Kenji Yasuda (Japan); (xii) Mr. Toshihiko Kuno (Japan); (xiii) Mr. Watchava Suiadee (Thailand); (xiv) Mr. Chitchaya Tissaro (Thailand) and (xv) Dr. Narges Zohrabi (Iran).

PCTA Minutes Item 1: Presentation/Lecture

1. On behalf of Virtual Irrigation Academy (VIA), Dr. Richard Stirzaker, CSIRO, Australia made a brief presentation <https://icid-ciid.org/icid_data_web/VIA_Stirzaker2022.pdf> on the topic “The Virtual Irrigation Academy: From Soil Physics to Social Learning” which was appreciated by the members. The presentation was followed by a brief question-answer interactive session.

2. The highlights of the presentation were the introduction of VIA’s various unique monitoring tools such as the Chameleon System that measures what the plant experiences and gives output as colors, thus enabling farmers to merge the science of irrigation with their own practical experience through people-centered learning. Knowledge on the ground needs to be structured and made available to the demands of smallholder farmers.

3. The Committee thanked the CSIRO Team for the informative presentation, which has been found to be quite useful by the participants.

PCTA Minutes Item 2: ATR on the minutes of the 41st Meeting of PCTA

4. The Committee noted with satisfaction the ATR on the minutes of the 41st meeting of PCTA and expressed its satisfaction.

PCTA Minutes Item 3: Membership of the PCTA and Workbodies

5. As per ICID By-laws 3.9.4 (b), PCTA will be composed of the Secretary-General, who will act as the Secretary of the Committee, a minimum of nine and a maximum of fifteen elected members, as well as ex-officio members. The Committee recommended that additional nominations may be invited for the membership of the PCTA, as its current membership stood at 9 elected members, excluding Secretary-General.

6. PCTA considered the proposals for the membership of various workbodies associated with it and recommended their approval by IEC as given in **Annex 3, page 29** of the 73rd IEC minutes. To avoid waiting times

for formally including members into working groups, the Committee recommended that the new members proposed by the WB Chair may be communicated to the Chair PCTA for his concurrence, and later included in the concerned WB under intimation to the Central Office. The information about the new inclusions may be provided to PCTA during the annual meetings of the IEC.

7. PCTA suggested that the proceedings of IEC may be shortened and reduce the duration of the meetings of WBs and PCTA to half-day sessions. PCTA should not cover the reports of WGs, but overall technical issues only. The routine business may be transacted online. So, the WG Chairs may only bring technical issues that need to be discussed in PCTA for making appropriate recommendations. Interdisciplinary persons may be made members of the WGs in order to enrich the outcome.

8. Accordingly, PCTA recommended that a Task Force to review the mandates and outcomes of the WGs may be set up, with the President, ICID, and Chair of PCTA as its key leaders. The TF may consider the level of activities in WGs and the strategic plan may be reviewed during the Beijing meeting next year. The TF may recommend the new structure and mandates of WGs in line with the demands of the sector and in consultation with WG members and Chairs. The TF will look at the process and diligence of WGs and the presence and absence of Chairs, collect suggestions and review the mandates with reference to time and context. The TF may prepare a strategic plan and report which may be presented to PCTA for its consideration and review prior to its presentation to the IEC.

PCTA Minutes Item 4: Road Map to ICID Vision 2030: Review of the Action Plan

9. The Committee examined the activities identified in the Action Plan, appended to the 'Road Map to ICID Vision 2030' (http://www.icid.org/icid_vision2030.pdf) which are committed to being achieved over a period of five years. The Committee recognized the pivotal role played by the Working Groups in converting the vision into action, by focussing their activities on measurable outputs, which can form part of the products that can be disseminated to the NCs and may be useful to the NCs in achieving the goals set as part of their national mandates.

10. The Committee reviewed the Action Plan based on the progress achieved by WGs reporting to the Committee, with due consideration to the work bodies closed/reconstituted/established, and suggested that (i) the road map needs to be re-looked at and updated; (ii) the present setup of work bodies needs to be reviewed through a task force for making the activities of Working Groups better integrated and in tune with the requirements of the sector; (iii) the Working Groups may be reorganized, the structure of IEC meetings may be made more compact and lesser time consuming and (iv) PCTA may consider delving upon common technical issues of the sector and avoid routine reporting of Work bodies in physical meetings.

PCTA Minutes Item 5: International Research Program for Irrigation and Drainage (IRPID) Scheme

11. The Committee noted the activities that are being carried out by the existing Regional Nodes of IRPID in Beijing (China) and Ahwaz (Iran). Based on the positive achievements of the RNs in Beijing and Ahwaz, the Committee suggested that it is essential to continue to support and further revitalize their activities by way of increasing the number of member countries and cooperation with international organizations, and evolving strategies to obtain the funds for activities. To this end, it is necessary to clarify the organization and structure of the RN's operation.

12. The Committee reviewed the progress of the establishment of additional Regional Nodes within the framework of the Revised IRPID Scheme (https://www.icid.org/irpid_scheme.pdf) adopted at the 67th IEC meeting (2016) vide Resolution IEC-3/67 and notified vide Notification No.16 of 2016 Dt. 27/04/2016 in Mediterranean and North African regions. A South African Regional Node may be established with Prof. Dr. Sylvester Mpandeli coordinating the same, while the Saudi Arabian National Committee may take initiative to create a Regional Node in the Middle East. The Committee recommended that the new Regional Nodes are to be established and developed on the basis of the experiences, achievements, and challenges of the existing Regional Nodes, as the creation of a Regional Node is not an easy task, which needs good preparation.

13. The Committee felt that the IRPID scheme components like IRRISEARCH are required to be populated and revitalized, as the activities of the Regional Nodes should basically be centered on "research", but the importance and possibility of covering related activities such as "human resource development" should be considered.

PCTA Minutes Item 6: Review of reports of the activities of Workbodies under the Strategy Theme – Basin (ST.B)

PCTA Minutes Item 6.1: Working Group on Environment (WG-ENV)

14. The Committee noted that the current mandate of the WG-ENV is up to 2022. No report was presented at the meeting as no meeting of the WG could be organized due to low participation, with only 3 WG members and 7 observers attending the meeting, with the Office Bearers of WG being absent. Hence, it was decided to hold a virtual meeting of the WG in January 2023.

PCTA Minutes Item 6.2: Working Group on Sustainable Development of Tidal Areas (WG-SDTA)

15. Dr. Ruey-Chy Kao, Chair presented the report. The workshop organized by WG-SDTA held on 03 October 2022 at Adelaide was attended by 50 participants with 2 papers presented at the workshop and rest 6 have been rescheduled for presentation in the next international workshop of the WG planned either at Beijing or at Vizag in 2023. The WG plans to bring out a publication next year. It was decided to organize a Short Course titled 'Tidal Prediction and Land Subsidence Prevention and Reclamation' in 2022 at National Cheng Kung University, Chinese Taipei. It is proposed to organize web-based seminars and e-Discussions in conjunction with the virtual WG meetings.

PCTA Minutes Item 6.3: Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD)

16. VPH Franklin E. Dimick (USA), Chairman of the WG presented the report of the WG. Dr. Mikiko Sugiura of Japan was appointed as Secretary of the Working Group. An International Workshop on 'Managing, on the Regional, State or Local Level, Water Scarcity Resulting from Conflicting Demands' was successfully held on 03 October 2022 at Adelaide, Australia. The guidelines and final report are being published. The WG has organized virtual meetings. WG recommends that the membership changes may be reflected without waiting for PCTA's consent, and the changes could be made effective by informing the Chair, PCTA for having the concurrence. WG plans to issue a technical paper in 2023 and conclude its activities.

PCTA Minutes Item 6.4: Working Group on Climate Change and Agricultural Water Management (WG-CLIMATE)

17. The Vice Chair/Secretary of the WG was not present at the meeting. The WG plans to deliver a document titled "Guide to Innovated Irrigation and Drainage Management under the Changing Climate", which focuses on irrigation and drainage in climate change. WG plans to hold four meetings in 2023 including virtual meetings. The Committee suggested that the Multilingual Technical Dictionary (MTD) is a useful tool that can be worked on the CLOUD, the WG may contribute to the theme of "climate change on agricultural water management".

PCTA Minutes Item 6.5: Working Group on Adaptive Flood Management (WG-AFM)

18. No report was presented at the meeting.

PCTA Minutes Item 6.6: Working Group on Irrigation and Drainage in the States under Socio-Economic Transformation (WG-IDSST)

19. The WG supports the proposal of Uzbekistan NC to create a task force to support the efforts of Uzbekistan to transform Aral Sea region into a zone of ecological innovations and technologies. The roadmap needs to be revised. Case histories were made during the WG meeting, and case studies from Japan and Chinese Taipei were presented.

PCTA Minutes Item 6.7: Working Group on Water Food Energy Nexus (WG-WFE-N)

20. President Dr. Ragab Ragab, Chair, WG-WFE-N informed that the WG selected VPH Dr. K Yella Reddy (India) and Dr. Mahdi Sarai Tabrizi (Iran) as Vice-Chairman and Secretary of the WG, respectively. The WG organized an International Workshop on 04 October 2022 on the theme "The Water-Energy-Food-Nexus: Implementation and Examples of Application" at Adelaide during the Congress which was quite successful. Ten papers presented at the Workshop were accepted for inclusion in the Irrigation and Drainage Journal. The WG decided to hold the next international workshop at Vizag, India during the 25th ICID Congress in 2023. The WG decided to bring out a 'Technical Report' based on papers contributed by its members in areas such as – (i) efficient use of water in crop production; (ii) crop water models; (iii) multifunctional water use in paddy; and (iv) rainwater harvesting and energy crops.

PCTA Minutes Item 6.8: Synthesis Report by Co-Theme Leaders of ST Basin

21. Co-Theme Leaders, VP Dr. Jin-Yong, Choi (Korea) and VP Mr. Ali Reza Salamat (Iran), prepared in advance and sent their Synthesis Report to ICID Central Office analysing the key issues and major outcomes of the WGs under ST Basin. The synthesis report is available at <https://icid-ciid.org/icid_data_web/ST_Basin_present2022.pdf>.

PCTA Minutes Item 7: Review of reports of the activities of Workbodies under the Strategy Theme – Knowledge (ST.K)**PCTA Minutes Item 7.1: ICID Journal Editorial Board (EB-JOUR)**

22. In the absence of Prof. Dr. Jiusheng Li (China), Chairman of EB-JOUR, President Hon. Prof. dr. Bart Schultz (The Netherlands) has chaired the meeting. Prof. dr. Bart Schultz informed that in 2022 one Sponsored Special Issue will be published, which has been prepared by the International Water Management Institute (IWMI) under the title Achieving climate resilience through improved irrigation water management from farm to basin scale. The WG-SDTA is preparing a Sponsored Special Issue based on the papers presented during its meetings and workshops. USCID may be requested to suggest a new nominee in place of VPH Larry D. Stephens. There is a 7.2% increase in the impact factor which currently stands at 1.424. Citations have been increased too. The major contributors to Irrigation and Drainage Journal are from China, India and Iran.

PCTA Minutes Item 7.2: Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)

23. In the absence of Chair of the WG, VPH Dr. Kamran Emami, VPH Dr. Laszlo Hayde (Hungary) acted as the Chair and presented the report of the WG-HIST at the meeting. A book on history is pending and is expected to be ready by the March next year for New York Conference on History. Updates on the publication of “Historical Water Sustainability” was provided by WG through video presentation. WG plans to publish the book with “Editors: Kamran Emami and Vijay Labhsetwar”. This publication is proposed to be launched during the side event of the UN 2023 Water Conference, organized by ICOMOS Water and Heritage Group. The Group has requested ICID Central Office to develop and publish guidelines or templates to reach uniformity of the website on WHIS.

PCTA Minutes Item 7.3: Task Force to Guide ICID Inputs to World Water Forum 9 (TF-WWF9)

24. Chair of TF-WWF9, PH Dr. Saeed Nairizi informed that only 2 members attended the TF meeting and no other members were present. Hence, the meeting was cancelled due to very low participation of members. The TF coordinated two side events during WWF9. However, the contributions from the WGs have been negligible. With the successful completion of its mandate, the TF is recommended to be closed. A new TF is proposed to be set up to guide ICID inputs to WWF10 on the theme “Water for Shared Prosperity” in Bali in 2024. The topics for contribution may be decided in consultation with the WGs and new members need to be nominated for TF-WWF10. The TF may work closely with FAO.

PCTA Minutes Item 7.4: Working Group on Value Engineering (WG-VE)

25. Ir. Nor Hisham Ghazali (Malaysia), Secretary, WG-VE acted as Chairman for this meeting in the absence of VPH Dr. Kamran Emami (Iran). WG proposed to have a workshop on ‘Value Engineering for Sustainable Water Projects’ during 25th ICID Congress to be held in November 2023 at Andhra Pradesh, India.

PCTA Minutes Item 7.5: Task Force for Updating and Maintenance of Multilingual Technical Dictionary (TF-MTD)

26. VP Dr. Tsugihiko Watanabe (Japan), Chair of the TF presented the report of the TF, while the TF meeting was cancelled since only 2 members attended. The MTD terms need to be rationalized and multiple definitions can be standardized. The national language custodians may be approached to take care of the authentic translation of the terms. In particular, it is necessary to discuss (a) how to deal with duplication of terms, (b) how to maintain the MTD on the web, (c) how to link it with other similar information, and (d) how to make effective use of it. It was suggested that once the English updating is completed, translation of the updated MTD in different languages may be considered by respective NCs facilitated by the Central Office, and that individual Working Groups can also request relevant NCs to translate their new update of English version into different languages.

PCTA Minutes Item 7.6: Working Group on Capacity Development, Training and Education (WG-CDTE)

27. VPH Dr. Mohamed Wahba (Egypt), Chairman of the WG presented the report of the WG. About one-third of the members attended the WG meeting. The WG recommends that the YP networks need to be strengthened so as to disseminate information and e-learning program to be effective and useful. Due to financial constraints, the organization of the VIA workshop and study tour for YPs from Africa during the 24th ICID Congress has been postponed to March 2023 to be organized in South Africa. The WG organized a webinar on the topic ‘Capacity Building in Agricultural Water Management is in Intensive Care Unit’. Dr. Narges Zohrabi (Iran) made presentation about the IRPID program and a proposal for a Webinar on the topic “Women’s empowerment and capacity development in water resources management” which is proposed in early December 2022.

PCTA Minutes Item 7.7: Synthesis report of Co-Theme Leaders of ST Knowledge

28. VP Dr. Mochammad Amron (Indonesia) and VP Dato'lr. Nor Hisham bin Mohd Ghazali (Malaysia), the Co-theme Leaders presented the synthesis report <https://icid-ciid.org/icid_data_web/ST_Knowledge_present2022.pdf> on ST Knowledge, analyzing the key issues and outcomes of the activities of the WBs under ST Knowledge.

PCTA Minutes Item 8: Review reports of the activities of Workbodies under the Strategy Theme – On-Farm (ST.OF)**PCTA Minutes Item 8.1: Working Group on Sustainable On-Farm Irrigation System Development (WG-SON-FARM)**

29. No report was presented at the meeting. In the absence of Chair Dr. Randev, Vice Chair Dr. Carl Walters conducted the meeting as Chair. WG discussed the compilation of micro and sprinkler data and suggested that members through their country may support updating the database.

PCTA Minutes Item 8.2: Working Group on Use of Non-Conventional Water Resources for Irrigation (WG-NCWRI)

30. Chair Dr. Wenyong Wu presented the report of the WG. A state-of-the-art document is expected to be finished by end of 2022. The WG organized an International Workshop on "Nonconventional Irrigation in High Value Agriculture – Application of Modern Technologies" on 4 October 2022 in Australia.

PCTA Minutes Item 8.3: Synthesis report of Co-Theme Leaders of ST On-Farm

31. The Co-Theme Leaders of ST On-Farm, VP Hesham Mostafa Mohamed Ali (Egypt) and VP Eng. Rafat Nael Abdul Ghani Al_Intaki (Iraq), presented their report <https://icid-ciid.org/icid_data_web/ST_Onfarm_present2022.pdf>, while taking stock of the progress in achieving the activities identified under the Action Plan of the WBs under ST On-Farm. The synthesis report concluded that the WG-SON-FARM promotes on-farm irrigation as part of integrated water resources management, and a sustainable efficient approach for on-farm irrigation and this is very clear from its activities, while WG-NCWRI promotes (a) 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 and (b) preparing comprehensive reviews and prospects with respect to different aspects of NCWR which is very clear through its activities.

PCTA Minutes Item 9: Review of reports of the activities of Workbodies under the Strategy Theme – Schemes (ST.S)**PCTA Minutes Item 9.1: Working Group on Institutional Aspects of Irrigation / Drainage System (WG-IOA)**

32. VPH Dr. Hafied Gany, Chair of the WG presented the report. The WG established in 2015 was to complete its mandate by 2021 and is now expected to be completed by 2023. After discussion, it was proposed that completion of the final draft will be done after incorporating the Report and Papers of the last International Workshop of WG-IOA on Public and Private Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance towards Sustainable Irrigated Agricultural Water Management. As a follow-up of the Symposium in Mexico, the third workshop could not be held in Morocco. Only 3 chapters have been received so far. The WG and ICID Central Office will follow up with the authors for the remaining chapters. The Final Report of WG-IOA is proposed to be launched during the 75th IEC meeting of ICID in November 2023 in Visakhapatnam (Vizag), Andhra Pradesh State, India.

PCTA Minutes Item 9.2: Working Group on Modernization & Revitalization of Irrigation Schemes (WG-M&R)

33. Chair VPH Ian Makin presented the report of the WG. The Group discussed the Road Map and agreed the focus of work to the end of 2023 will be the guidelines on modernization, the survey of norms and processes of O&M, and the contribution to the WIF4 in Beijing on Modernization.

34. WG organized the International Workshop on "Modernizing Irrigation and Drainage Services" on 6 October 2022 in Australia with a focus on the arrangements for the provision of irrigation services. Twenty-nine papers were submitted for the workshop, out of which 19 were selected and 9 were presented. Guidelines are getting ready, and the working draft is to be ready by WIF4 in Beijing in April 2023. The WG expects to complete its mandate in 2023.

PCTA Minutes Item 9.3: Working Group on Irrigation, Development and Management (WG-IDM)

35. Vice-Chair Mr. Ahmet Seren presented the report on behalf of the Chair of the WG, Ms. Mary Jean Gabriel. Six members and 9 observers attended the meeting. A workshop on water balance approach will be organized in India during 25th Congress in 2023.

36. The WG organized an International Symposium on 'Integrated Approaches to Irrigation Management in the Future' on 06 October 2022 at Adelaide, Australia. Eleven National Committees i.e. Australia, India, Iraq, Iran, Japan, Korea, Sri Lanka, South Africa, Turkey, Uzbekistan and Zimbabwe shared their country papers.

PCTA Minutes Item 9.4: Working Group on Water Saving in Irrigated Areas (WG-WATS)

37. VP Eng. Rafat Nael Abdul Ghani Al_Intaki (Iraq) has been elected as the new Chair of the WG. No report of the WG was presented at the meeting.

PCTA Minutes Item 9.5: Working Group on Rain Water Harvesting (WG-RWH)

38. Mr. Geoff Harvey, Chair (Australia), Chair of the WG presented a brief report of the WG. Only 4 members were present during the Adelaide meeting which was disappointing. Therefore, it was proposed that a virtual meeting will be scheduled by end of December 2022.

PCTA Minutes Item 9.6: Working Group on Land Drainage (WG-LDRG)

39. The PCTA recommends that the name of the WG may be changed to 'WG on Drainage'. Ms. Sasha Koo-Oshima is recommended to be the permanent observer of FAO to the WG. Drained areas table needs to be updated. The WG may elect a new Chair as Dr. Bernard Vincent has retired from professional work. At the Adelaide meeting, Dr. Willem F. Vlotman, Vice President Hon., ICID was appointed as the interim Chair of WG-LDRG by Dr. Ragab Ragab, President ICID until new arrangements will be in place. Considering how important drainage is for successful I&D, the visibility of the Working Group on Drainage is paramount. Hence, it was suggested that the WG continues to be named simply WG-DRG and provisions or guidelines be given to not change it ever again as WG-SDRG, WG-LDRG, etc. as happened during the last decade.

PCTA Minutes Item 9.7: Synthesis Report by Co-Theme Leaders on ST Schemes

40. VP Dr. Shavkat Rakhimovich Khamraev (Uzbekistan), VP Prof. Dr. Tsugihiko Watanabe (Japan) and VP Mr. Aziz Fertahi (Morocco), the Co-theme Leaders presented their report <https://icid-ciid.org/icid_data_web/ST_Scheme_present2022.pdf> on ST Schemes. The synthesis report concluded that four WGs under ST Schemes will complete their mandates in 2023, while WG-IOA, WG-M&R, and WG-IDM are expected to achieve significant results, publish them, and bring the WGs to a successful conclusion. The report suggested that other WGs should review their achievements and activities to date and tailor their activity plans accordingly. A template may be prepared for the presentation of the Synthesis report.

PCTA Minutes Item 10: Newly Proposed Workbodies

41. The Committee noted that a mechanism has been put in place with a view to streamlining the process of establishment of a new workbody or extension of an existing workbody on completion of its tenure. The mechanism in the form of Scoping Document approved by 63rd IEC the improvement in the functioning of ICID workbodies (*Annex R2.2 of Resolution IEC-2/63*) and exhorted all to follow the same in letter and spirit for the establishment of new workbodies. The Committee emphasized that the Scoping Document should give the objectives, state of knowledge on the topic, work plan, etc. of the newly proposed workbodies.

42. During the discussion in 36th PCTA meeting in Chiang Mai, the issue of lack of interest in certain WGs was expressed. It is therefore recommended that unless the interest is expressed by at least 10 NCs in supporting the WG, it could be at best established as a Task Team for keeping the interest in the topic lives. These TTs should essentially work towards a well-defined objective and predominantly through Web based tools. As the implementation of the Road Map needs partnership, it is important that the WG should actively seek potential collaboration with international partners and take those activities in account while drawing up their plan.

43. The Committee recommended the establishment of a Task Force to Guide ICID Inputs to World Water Forum 10 (TF-WWF10) at the 10th World Water Forum in Bali, Indonesia in March 2024, since the current TF on WWF9 has completed its mandate successfully and is recommended to be closed.

44. The Committee has considered the request of Uzbekistan that a Task Force on Aral Sea may be established to support efforts of Uzbekistan to transform Aral Sea region into a zone of ecological innovations and technologies and recommended that an expert group may be established under Task Team on Trans Boundary AWM for the

purpose, since this is more of a regional WG in nature. The Aral Sea countries may be considered for its membership. The issues can also be channelled into WGs on ENV and MWSCD. The group may have to undertake coordination with the neighbouring countries for arriving at holistic solutions.

PCTA Minutes Item 11: Report on the outcome of 24th Congress

45. The report on the outcome of the 24th Congress was not presented at the meeting, and hence, could not be taken up for discussions.

PCTA Minutes Item 12: Report of the Sub-Committee on Themes, Topics and Work Plans of future ICID Events (SC-E-THEMES)

46. The meeting of the SC-E-THEMES could not be organized at Adelaide in the absence of Chair and only a few members were present. Hence, it was proposed that a virtual meeting of the SC-E-THEMES may be later organized by ICID Central Office in consultation with the Chair of SC-E-THEMES.

PCTA Minutes Item 13: ICID Members' Profile Section

47. The Committee reviewed ICID Members' Profile Section and requested the members to review and update their information using their credentials and help ICID to maintain accurate information.

PCTA Minutes Item 14: Register on World Irrigation and Drainage Schemes (WI&DS)

48. The Committee reviewed the WI&DS and urged the member countries and non-member countries to enlist the irrigation projects in their countries in the WI&DS Register.

PCTA Minutes Item 15: Any other business

49. The Committee proposed that individual co-theme leaders of the Strategy Themes may hold virtual meetings with their workbodies for assessment of their activities and reporting. The Chair PCTA and President ICID may also join as per availability of time.

50. The Committee suggested that the reports of Working Groups and Strategy Themes may be prepared through virtual meetings for saving the time during physical meetings held during Annual Council meetings.



**MINUTES OF THE 33RD MEETING OF THE
AFRICAN REGIONAL WORKING GROUP (AFRWG)**

07 October 2022, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)
Adelaide, Australia

Presented by the Chairman

Year of Establishment: 1994

Mandate: To promote links and networking among the African countries as well as regional and international institutions for enhancing cooperation and coordination, and to support integrated river basin development, training and research issues and information system for African needs.

Members present: (1) VPH Dr. Mohamed Wahba, Chair (Egypt); (2) Prof. Dr. Sylvester Mpandeli, Vice Chair (South Africa); (3) Prof. El-Houssine Bartali (Morocco); (4) Engr. M.S. Bala (Nigeria).

Observers: (1) Dr. Richard Stirzaker (Australia); (2) Mr. Kim Russell (Australia); (3) Dr. Evan Christen (Australia); (4) Engr. Keita Amadou (Burkina Faso); (5) Dr. Hakibu Tanko (Canada); (6) Engr. Sidi Oumar Haidara (Mali); (7) Engr. Muhammed Aminat Joy (Nigeria); (8) Engr. Abubakar A. Sirika (Nigeria); (9) Engr. Anthea Udo (Nigeria); (10) Engr. Oyebankole Agbelusi (Nigeria); (11) Engr. Christy Omeno Oduh (Nigeria); (12) Engr. Peter H. Sule (Nigeria); (13) Engr. Mustapha Usman Khalil (Nigeria); (14) Mr. Jan Potgieter (South Africa); (15) Mr. Siboniso Mkhalihi (South Africa); (16) Engr. Chitsungo Bezzel (Zimbabwe);

Website: http://icid-ciid.org/inner_page/93

AFRWG Minutes Item 1: Action taken report by Chair

1. The Chair Dr. Wahba started the meeting by welcoming the participants in the meeting and reminded them in brief about the mandate of the AFRWG.

2. Dr. Wahba informed the group about the winning of AFRWG as the Best Performing Workbody Award 2022 (BPWA). He thanked the Vice Chair Prof. Dr. Sylvester Mpandeli, Secretary Dr. Ismael El-Hassanoui of the AFRWG, and all the WG members and the YP's for their great contributions to the activities of the group. He further mentioned that together with members, the group needs to do more achievements. Membership status is given in **Annex 3 (page 29)**.

3. Then the chair presented a report on the actions taken on the decisions and proposals of the working group at its last meeting held in November 2021 as follows:

4. **Reactivation of NCs:** ANAFIDE agreed to support a one-year membership subscription for Niger National Committee for reactivating their membership. ICID Central Office sent the proforma invoice for payment of membership subscription for the Kenyan National Committee and Senegal National Committee however, the response is awaited. The chair thanked ANAFIDE and encouraged other partners to support the African Countries to be active members in ICID family (as President Dr. Ragab mentioned in the opening session that the fee for membership could be less than the publication of the paper in an international journal, which is considered nothing compared to the benefits for a country from this membership).

5. In April 2022, as a follow-up of the reactivation of National Committees in the African region, the ICID Central Office approached African Young Professionals Coordinators and requested them to share the contact coordinates of the Ministers of Water Resources/Agriculture of their countries. In July 2022, membership invitation letters were sent to many African countries for joining membership of ICID. In July 2022, Ghana has shown its interest to reactivate the membership however, the application form/ payment is yet to be received.

- (a) The total number of the African Young Water Professional Forum (AfYWP-Forum) in LinkedIn has reached to more than 6300 and more than 1030 members in ICID-Young Professional's e-Forum (IYPeF).
- (b) So far, 44 African-Countries WhatsApp groups have been established.
- (c) About 6 non-African countries' WhatsApp groups have been established.
- (d) Organized ICID's Zoom Meeting with Af-YWPF YP Coordinators on 5 April 2022 and three coordinators had been selected from each of the 44 African Countries.
- (e) More efforts have been carried out to encourage non-member countries to join the ICID family.
- (f) All the preparations for organizing the 5th Af-YWP Forum under the platform of CWW2022 have been done

- (g) The Af-YWP forum honored with joining the new partners ICARDA and FAO
- (h) Daily communications with YP's for technical support and advice, recommendation letters, sharing news updates, bulletin, reports, announcements, available reports, online activities, opportunities, and others.
- (i) Special issue for best papers in the 10th International Micro Irrigation Conference in Morocco in World Water Policy Journal was arranged
- (j) Organized Webinar on Climate change impacts on water resources with ESCWA- Thursday, June 23, 2022
- (k) Organized Webinar on Advanced Micro irrigation Technology with Precision Water and Salt Management -25 August 2022
- (l) Organized Webinar on Combining Farmer and Science-Based Knowledge Through the Virtual Irrigation Academy (VIA), 29 Jun 2022.
- (m) Organized Online free course on Virtual Irrigation Academy (VIA) for YP's from 2-30 June 2022.
- (n) Organized Webinar on Capacity Building in Agricultural Water Management is in 'Intensive Care Unit'– Can It Be Rejuvenated- 20 July 2022.
- (o) Support arranged for 10 YP's for South Africa Conference and training workshop on VIA in March 2023.
- (p) Organized VIA workshop for YP's during Adelaide conference – October 2022
- (q) CDTE-WG online meeting
- (r) Attending the Meeting of Arab Regional Preparatory Meeting for the Midterm Comprehensive Review of the Water Action Decade/Beirut on 18-19 May 2022 - ESCWA
- (s) Visited Tajikistan, attended the UN water conference, and supported TajNCID in preparation of a proposal for the 14th International Drainage Workshop
- (t) Supported the approval of the free membership of ICID in the World Canal Cities Organization (WCCO) China
- (u) Gave a presentation on the Role of Agricultural Drainage and Challenges Facing it in Africa for the WG-IDSST virtual meeting
- (v) Supporting the cooperation between FAO and ICID by coordinating the ICID experts-Focal Points in FAO clusters and joining its Zoom meetings.

AFRWG Minutes Item 2: Brief of the virtual meeting organized in February 2022

6. Chair briefed the members about the first virtual meeting of AFRWG held on 10 February 2022 wherein representatives from the National Committees of Egypt, Italy, Morocco, and Sudan discussed the third node of IRPID for the Africa region, especially for the activation of the North Africa Node. Minutes of the virtual meetings of all work bodies have been uploaded on a dedicated webpage – https://icid-ciid.org/inner_page/152

7. The Chair informed the WG with the conclusion of the meeting to prepare a proposal for a regional project to find a suitable fund to carry out the activities of IRPID (refer draft proposal layout as **Annex 1**)

AFRWG Minutes Item 3: Road Map to ICID Vision 2030 – Status of activities in the African region

8. Chair Dr. Wahba informed that AFRWG will continue its activities according to the Road Map to ICID Vision 2030 (refer to **Annex 2**), as follows:

- (a) **Goal B:** to be a catalyst for change policies and practices (the final draft position paper on green evolution in Africa was presented and will be circulated to the AFRWG members for review)
- (b) **Goal C:** Facilitate the exchange of information, knowledge, and technology (shared and circulated all available documents, reports, news updates, and other documents to all using the ICID website, LinkedIn and WhatsApp groups)
- (c) **Goal F:** Facilitate Capacity Development (webinar, 6th Af-YWP Forum, online courses, webinars, training workshops, and study tours upon request of NCs)

AFRWG Minutes Item 4: Progress on Position paper on Green Revolution in Africa

9. The chair informed the group that the final version of the paper is ready for sending for an international journal and he thanked the two active Young Professionals - Dr. Ismael Elhassanoui and Eng. Sinafekesh for their great contributions in the paper and to President Dr. Ragab for reviewing the paper.

AFRWG Minutes Item 5: Progress on implementation of the action program for Africa - Strategy for capacity building in Africa (Training Needs Assessment Report)

10. Dr. Wahba informed the group that in May 2022, the final version of TNA-II was circulated in French and English versions to the partner international organizations, and requested their cooperation in carrying out the capacity-building activities in the African region. ICID Central Office also circulated the TNA Report-II to all members of the working group and requested them to submit the filled information to the Chair Dr. Wahba. The Report is also available on the AFRWG website at https://icid-ciid.org/inner_page/93.

AFRWG Minutes Item 6: Participation of Young Professionals in the Virtual Irrigation Academy (VIA) webinar and online training course in 2022

11. Chair Dr. Wahba informed the group that the Australian Centre for International Agricultural Research (ACIAR) offered funds for ten water professionals from Africa to participate in the 24th Congress and attend a one-day Virtual Irrigation Academy (VIA) workshop and study tour in October 2022 in Australia. The first webinar on "Combining farmer and science-based knowledge through the Virtual Irrigation Academy" was organized on 2 June and the second webinar on 30 June 2022. Also, an online training program from 02-30 June 2022 was organized to facilitate the selection of ten young professionals from Africa for travel to Australia. Ten YPs sponsored by ICID Central Office also joined the webinar. The chair informed that due to financial constraints, the organization of the VIA workshop and study tour for YPs from Africa during the 24th ICID Congress has been postponed to March 2023 in South Africa. Deputy Chairman of the South African National Committee on Irrigation and Drainage (SANCID) made a commitment that Water Research Commission of South Africa through SANCID will sponsor 10 local Young Professionals for the VIA training taking place in March 2023 in Pretoria, South Africa.

AFRWG Minutes Item 7: 5th African Young Professional Forum during Cairo Water Week 2022, October 2022

12. The Chair informed the WG that building on African Young Water Professional's Forum great success, the 5th African Young Water Professional Forum held during Cairo Water Week from 17-18 October 2022 (Hybrid mode) under the theme: "Smart irrigation water management to mitigate climate change impacts". Valuing the importance of partnerships fostered by the International Commission for Irrigation and Drainage (ICID), African Regional Working Group (AFRWG) through the Af-YWPF with the Ministry of Water and Irrigation of Egypt, United Nations Economic and Social Commission for Western Asia (ESCWA), Arab Center for the Study of Arid and Drylands (ACSAD) of the League of Arab States, Global Water Partnership-Mediterranean (GWP-MED)/GWP Africa Coordination Unit, International Center for Agricultural Research in the Dry Areas (ICARDA), the Food and Agriculture Organization (FAO), and its partners organized the 5th Af-YWPF (Hybrid Mode) during the CWW 2022. The two-day forum consists of 6 training sessions (9 hours), along with opening and closing sessions. The participating Young Water Professionals also took advantage of the online offerings provided during Cairo Water Week to engage with other experts and stakeholders in the water sector. About 135 YPs participants from 36 countries had registered for online participation and 20 YP's from 11 Countries were selected to participate physically.

AFRWG Minutes Item 8: Updates on Regional Irrigation Associations- SARIA by the Chair or Representative

13. Vice chair Prof. Sylvester Mpandeli gave a brief about the current activities of the SARIA and he informed the WG that a big project will support many activities for African Young professionals for next year.

AFRWG Minutes Item 9: Progress for the proposed third node for IRPID for the African region

14. Chair shared a brief about the final recommendation of the first online meeting of the group with President Dr. Ragab about the importance of having a proposal for funding this project and he shared a draft of the proposal layout with members (refer to *Annex 1*).

AFRWG Minutes Item 10: Af-YWPeF - Program and future activities

15. The Chair informed WG that more activities should be considered to support the capacity building of farmers and women in addition to young professionals and low cost, simple end effective technologies must be in the top of priorities.

16. Dr. Wahba provided updates on the schedule of AFRWG activities. He informed the group that next year, the group will consider at least two webinars about agricultural drainage, one webinar about climate change impact (Dr. Ragab) and more important topics will be considered. As the WG has gained good experiences in

webinar preparation, an intensive webinar, the online training course would be arranged for next year. As a draft proposal following activities would be considered:

- (a) Webinars on
 - (i) Empowerment and Capacity Development of Women in Water Resources Management.
 - (ii) Roles of Agricultural drainage and achieving sustainable development goals
 - (iii) Modern Irrigation systems, planning, and design
 - (iv) Climate Change Adaptation for African Agriculture Systems and mitigating the Impacts on Water requirements
 - (v) Remote sensing application for performance assessment in irrigation and drainage project
 - (vi) More webinars for our partners will be shared and disseminated to all ICID groups
- (b) Discussions on WhatsApp groups and LinkedIn. Sharing of reports, news updates, announcements, opportunities, and other activities.
- (c) Tailor made training courses, upon request from our partners and African NC's.
- (d) Physical and virtual training back-to-back and during events.
- (e) At least one virtual meeting for the AFRWG
- (f) Preparation of the 6th African Young Professional Forum-2023
- (g) Training workshop and attending a conference in South Africa for 10th African YP's in March 2023

AFRWG Minutes Item 11: 10th International Micro Irrigation Conference, January 2023, Morocco

17. Dr. Bartali, Vice Chair of the Moroccan National Committee (ANAFIDE) informed the WG that the 10th International Micro Irrigation Conference (IMIC) on the theme "Micro Irrigation in the era of technology innovation and digital transformation" will be held from 25-27 January 2023 at Dakhla, Morocco with the following sub-themes: (i) Public Policies and the Promotion of Micro Irrigation: Lessons Learned; (ii) Innovation in Micro-Irrigation Design and Technology to Improve Resilience to Climate Change; (iii) Micro-Irrigation for Small-Scale Farming - Challenges, Opportunities, and Initiatives; (iv) Micro Irrigation to Promote the Nexus "Water - Energy - Food"; (v) Digital Transformation for the Management of Micro-Irrigation; and (vi) International Cooperation for the Development of Micro Irrigation. ICID Central Office circulated the Call for Papers for the 10th IMIC to all professionals and invited abstracts for the conference. Dr. Bartali informed that the preparation for the conference is going well and a special issue in World Policy Journal will be for best papers and the deadline in mid-October could be extended for a week to encourage more paper

AFRWG Minutes Item 12: 6th African Regional Conference on Irrigation and Drainage

18. In response to ICID Central Office's request, in May 2022, Nigerian National Committee (NINICID) informed that they have considered the proposal of the organization of the 6th African Regional Conference and sent a formal request to the Government for approval.

19. At the meeting, Engr. Bala (Nigeria) gave a very comprehensive presentation about the preparation of the conference. The AFRWG agreed and suggested some topics to be considered and recommended to be in 2024 if possible, but after discussion with the ICID-Congress Committee (C-CONGR) it was agreed to continue as it is proposed in 2025.

AFRWG Minutes Item 13: Any other business

20. Dr. Wahba informed the WG members about the new initiative of ICID providing WG members to access their profile section using their dedicated account. He gave notice about the importance of assessing Members' profiles for reviewing and continuously updating their respective information.

21. Also Dr. Wahba gave a brief to the WG about ICID's 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 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 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. Dr. Wahba encouraged the WG members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.



(DRAFT)

PROPOSAL FOR IRPID RESEARCH PROJECT

Title _____

(a) **Objectives**

1. Joint applied project work
2. Sharing information, experience, data, and knowledge
3. Capacity building & training of YP's

(b) **Composition**

1. National Committees of ICID
2. National Universities and Research institutes
3. Governmental Authorities
4. Private Sectors

(c) **Activities**

1. Establishing pilot sites for joint applied project
2. Conducting Training as part of the capacity building program

(d) **Areas of Interest**

1. Enhancing water productivity and water use efficiency
2. Introducing new technologies for agricultural Water Management
3. Adaptation of Agriculture to climate change and its extreme events such as drought
4. Enhancing Water and Food security
5. Mitigating the impact of climate change in agriculture within the Water-Food-Energy Nexus concept.

(e) **Expected output**

1. Established pilot sites
2. Capacity building training program
3. Webinars
4. Workshops
5. Shared materials (documents, videos, blogs, presentations, etc.)

(f) **Funding Organizations**

1. Islamic Development Bank,
2. African Development Bank
3. ACSAD
4. FAO
5. ICARDA
6. IWMI
7. World Bank
8. ESCWA
9. UNDP, etc.



Annex 2 [Appendix IV, Item 3]

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 | Milestone for Year 2022 | Milestone for Year 2023 |
|---|---|--------------------|---|-------------------------|---|---|---|---|---|
| Goal B: Be a Catalyst for Change in Policies and Practices | | | | | | | | | |
| B1. Strategy: Supporting Development of Appropriate Policies | 1.15 Position Paper on Green Revolution in Africa | Position paper | Prepare the draft paper | Finalise the paper | Data collection | Data collection | Data analysis Draft paper | Final paper publishing process | Dissemination of the paper |
| GOAL C: Facilitate exchange of information, knowledge and technology | | | | | | | | | |
| C3. Strategy: Promoting Regional Cooperation | 3.4 Activate or Establish Regional/sub-regional WGs | Regional WGs | Collaboration with Af-YWP-Forum | | Establishment of more WG-YP's WhatsApp Groups NC-wise for E-discussion and knowledge exchanges Encouraging cooperation with partners | Establishment of more WG-YP's WhatsApp Groups NC-wise for E-discussion and knowledge exchanges Encouraging cooperation with partners | Establishment of more WG-YP's WhatsApp Groups NC-wise for E-discussion and knowledge exchanges Encouraging cooperation with partners | Selections of NC's YP's coordinators Organizing NC'S YP's group meeting and starting their own activities Contributing in AfYP Forum activities Webinar Workshop Discussions Exchanging experiences. Technologies and information Activating their Country membership in ICID-(non-member) | Organizing NC'S YP's group meeting and starting their own activities Contributing in AfYP Forum activities Webinar Workshop Discussions Exchanging experiences. Technologies and information Activating their Country membership in ICID (non-member) |
| Goal F: Facilitate capacity development | | | | | | | | | |
| F2. Strategy: Support Capacity Development Activities of Member Countries | 2.4 Strategy for capacity building in Africa | Strategy/ Policy | Identify new themes and revise the strategy | Update the strategy | 2 nd Af-YWP-Forum (CWW2019-YP training programme prior to 5th AfRC on I&D 16-23 November 2021 at Marrakesh, Morocco | 3 rd Af-YWP-Forum (CWW2020 virtually | 4 th Af-YWP-Forum (CWW2021-virtually YP Preparing questioner for TNA Circulation of TNA Data analysis | Organizing webinars/Discussions Organizing yearly African Young Professional forum Upon request from NC's to organize tailor made training and study tours | Organizing webinars/Discussions Organizing yearly African Young Professional forum Upon request from NC's to organize tailor made training and study tours |

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



**PREPARATORY MEETING FOR THE ESTABLISHING OF
AMERICAN REGIONAL WORKING GROUP (AMRWG)**

8 October 2022, 08:45-10:30 hours
Adelaide, Australia

Presented by the Interim Chairman

Meeting of the AMERICAN REGIONAL WORKING GROUP (AMRWG) was cancelled due to low attendance of the members.



**MINUTES OF THE 29TH MEETING OF
ASIAN REGIONAL WORKING GROUP (ASRWG)**

07 October 2022, 09:00-10:45 hours (Session I) and 11:15-13:00 hours (Session II)
Adelaide, Australia

Presented by the Chairman

Year of Establishment: 1996

Mandate: The general objective of the Asian Regional Working Group is to focus on common topics and issues and to enhance the transfer of appropriate technology in irrigation and drainage to and from the Asian Region. The mission of ASRWG is to encourage membership and coordinate activities in the region.

Members present: (1) Vice President Dr. Tsugihiko Watanabe, Chairman (Japan); (2) Dr. Vijay K. Labhsetwar, Vice Chair (India); (3) Dr. Aynur Fayrap, Secretary (Turkey); (4) Mr. Momir Vranes (Australia); (5) Mr. Dang Ping (China); (6) Ms. Li Ruoxi – Young Professional (China); (7) Dr. Ray-Shyan Wu (Chinese Taipei Committee); (8) Dr. Wen Pen Shu represented by Chun-Hung Chan (Chinese Taipei Committee) (9) Mr. Rajni Kant Agrawal, Direct Member, WAPCOS represented by Mr. Amit Gupta (India); (10) Vice President Dr. Mochammad Amron (Indonesia); (11) Vice President Hon. Karim Shiati represented by Dr. Narges Zohrabi (Iran); (12) Eng. (Ms.) Zainab Saleem – Young Professional represented by Vice President Rafat Nael (Iraq); (13) Mrs. Shaimaa Shihab Ahmed represented by Eng. Nisreen Sami (Iraq); (14) Ir. Syed Abdul Hamid bin Syed Shuib represented by Vice President Nor Hisham Ghazali (Malaysia); (15) Mr. Ahmed Kamal represented by Vice President Hon. Waseem Nazir (Pakistan); (16) Eng. W.B. Palugaswewa represented by Mr. Janaka Priyantha (Sri Lanka); (17) Mr. Arthon Suttigarn (Thailand).

New nominees present: (i) Mr. Chih-Sheng Chen (Chinese Taipei Committee); (ii) Mr. Toru Okuda (Japan); (iii) Mr. Mohamed Radzi Bin Abdul Talib (Malaysia); (iv) Eng. (Ms.) Talatha Janaki Meegastenna represented by Mr. Janaka Priyantha (Sri Lanka).

Office Bearer Hon. present: (1) President Hon. Keizrul bin Abdullah (Malaysia); (2) Vice President Hon. Dr. Willem Vlotman (Australia); (3) Vice President Hon. Dr. Ding Kunlun (China); (4) Vice President Hon. Dr. Hafied Gany (Indonesia);

Observers: (1) Mr. Richard McLoughlin (Australia); (2) Dr. Ruey-Chy Kao (Chinese Taipei Committee); (3) Hao-Che Ho (Chinese Taipei Committee); (4) Chun-Hung Chan (Chinese Taipei Committee); (5) Dr. Mikiko Sugiura (Japan); (6) Ms. Nana Ishikawa (Japan); (7) Dr. Naoko Koshiyama (Japan); (8) Dr. Ir. Susilawati (Indonesia); (9) Sarwo Edhy (Indonesia); (10) Foyya Aquino (Indonesia); (11) Maria Kurniawati (Indonesia); (12) Vicky Ariyanti (Indonesia); (13) Ir. Mohd Azmi Ismail (Malaysia); (14) Dr. Ahmad Anuar Othman (Malaysia); (15) Eng. Ahmad bin Darus (Malaysia); (16) Ir. Abdullah Isnin (Malaysia); (17) Jin-Yong Choi (South Korea); (18) Seung-Won Lee (South Korea); (19) Dr. Bahrom Gaforzoda (Tajikistan); (20) Mr. Rauf Yuldashev (Tajikistan); (21) Ahmet Seren (Turkey); (22) Ijsbrand De Jong (World Bank)

Website: http://icid-ciid.org/inner_page/104

The Chair, Vice President of ICID, Dr. Watanabe welcomed all the members and expressed his happiness and satisfaction over the large number of participants present in the meeting.

ASRWG Minutes Item 1: Review of the membership

1. As for new members, Dr. Robin Kumar Biswas (Bangladesh), Dr. (Ms.) Nazmun Nahar Karim (Bangladesh), Ms. Talatha Janaki Meegastenna (Sri Lanka) were present during the virtual meeting of the WG on 28 February 2002 and therefore, provisionally admitted to WG. JNCID nominated Mr. Toru Okuda in place of VPH Mr. Naoki Hatashida and CTCID nominated Mr. Tony Chih-Sheng Chen (Chinese Taipei Committee), for the membership of WG. Mr. Tony Chih-Sheng Chen (Chinese Taipei) and Mr. Toru Okuda (Japan), both were present during the meeting and introduced themselves to the group and hence, were accepted as 'Members' of the working group.

2. The Malaysian National Committee (MANCID) proposed the nomination of Mr. Mohamed Radzi Bin Abdul Talib in place of Mr. IR. HJ. Ahmad Bin Darus. Mr. Mohamed Talib was present and expressed his strong interest in joining the WG. ICID Central Office received a formal nomination from MANCID. Membership status is given in **Annex 3 (page 29)**.

3. As far reactivation of NCs, the ICID Central Office sent letters on behalf of President Dr. Ragab Ragab to the countries of Azerbaijan, Bahrain, Jordan, Kuwait, Laos, Lebanon, Oman, Palestine, Qatar, Syria, Yemen during the year and requested their Ministry of Water Resources/ Agriculture to join the membership of ICID. In

response, Vice President Jin-Yong Choi (South Korea) kindly offered (25 July 2022) to support the first-year membership subscription for Laos to join the membership of ICID.

ASRWG Minutes Item 2: Action taken report by the Chair

4. The Chair presented a brief report of the actions taken and the decisions made since the 28th meeting of the WG held in November 2021 in Morocco.

5. During the Adelaide meeting, the Chair enumerated the actions taken as below:

- (a) The 1st interim (virtual) meeting was held on 28 February 2022
- (b) The discussions on the Technical Report and Workshops have been initiated (03 March and 19 May 2022).
- (c) The proposal/format for the Technical Report (TR) shared and discussed (20 May 2022).
- (d) The structure of the Country Case Studies (CCS) shared and discussed (20 May 2022).
- (e) The areas of collaboration with IACID for ARC9 have been discussed.
- (f) The organization of the internal/international workshops have been initiated.
- (g) The other pertinent issues, such as the website, etc., have also been discussed.
- (h) The 2nd interim (virtual) meeting was held on 20 September 2022.
- (i) Drafting process of the CCS for TR was discussed, and the design of the internal workshop during the 73rd IEC on the CCSs was finalized.

ASRWG Minutes Item 3: Brief of the virtual meetings organized

6. The Chair briefed the members about the organization of the virtual meeting on 28 February 2022 wherein 14 members were present in addition to four new nominees. Most of the actions described above (Item 2) were discussed and finalized during the virtual meeting. The 2nd virtual meeting was held on 20 September 2022 to firm up the attendance of the members at Adelaide and make the Country Case Studies (CCS) presentations in Session II of the meeting. The Chair emphasized the importance of bringing out the Technical Report and releasing it during the 9th Asian Regional Conference in Sydney in 2024.

ASRWG Minutes Item 4: Road Map to ICID Vision 2030 – Status of activities

7. The WG reviewed the Action Plan on the Road Map to ICID Vision 2030 during the meeting (**refer to Annex**). The two major tasks assigned to Task Team (TT) for achieving Strategy C4.21, were: (1) to continue actions for preparing the Technical Report to be released at the ARC9, and (2) to continue discussions on topics/subtopics for the internal and international workshops. The provisional title of the Technical Report is “Irrigation and Drainage for Asian Food Security”.

ASRWG Minutes Item 5: Collaboration with IACID for the 9th Asian Regional Conference, September 2024, Australia

8. The Chair briefed the members about the areas of collaboration with IACID:

- (a) Development of theme and sub-theme of ARC9 and International Workshops
- (b) The program of ARC9
- (c) Review papers
- (d) Promote ARC9
- (e) Organize YP Training on “Advances, techniques, and modernization of the irrigation systems”
- (f) Organize a workshop on ‘Australian experiences on modernization’

9. However, no representative from IACID was available for making any comments/observations. A side meeting was sought with IACID members to discuss the collaboration but it could not be materialized.

10. The group noted that the 9th Asian Regional Conference (ARC9) will be held from 01-07 September 2024 in Sydney, Australia.

ASRWG Minutes Item 5.1: Progress on the technical report / Country Case Studies of the group

11. A Task Team (TT) has been established, chaired by Dr. Vijay K Labhsetwar, Vice Chair of the WG. Dr. Labhsetwar discussed and described the proposal/format for the Technical Report. The Technical Report of ASRWG is likely to have the following structure:

- (a) Part I. Introduction (Scope, propose, etc.),
- (b) Part II. International perspective on Asian food security (invited papers from international organizations),
- (c) Part III. Country strategies for food security from ASRWG/ICID member countries, and
- (d) Part IV. Way Forward: Asian strategy for food security

12. The Part III above would consist of the Country Case Studies (CCS) from ICID member countries and may have the following structure: 1) Introduction (Geography, etc.); 2) Population (Status, density in agricultural, etc.); 3) Climate and rainfall (Temperature, snow, etc.); 4) Area under agriculture, irrigation and drained lands (Status, GCA/CCA, crop production land use, etc.); 5) Role of water resources management (Water resource development, top 3 dams and capacity, reduce gap between irrigation potential and utilized, water policy and governance, investments, reclaiming waterlogged/saline lands, etc.); 6) Intercessions for food security (Food bank, infrastructure, etc.); 7) Role of research and development (Appropriate technology, effective capacity development, database, Innovative crop management technologies, etc.); 8) Progress in reducing food insecurity (Food stocks, goals, the impact of COVID-19, etc.); 9) Way Forward: A country strategy for food security; and 10) References.

Dr. Labhsetwar browsed through the draft CCS-India and hoped that other members will follow suit. So far, Australia, India, Indonesia, Japan, Turkey, Bangladesh, China, Iran, Iraq, Pakistan, and Sri Lanka have expressed their consent to contribute.

13. Ten CCS Reports (Australia, China, India, Indonesia, Iraq, Japan, Sri Lanka, Malaysia, Tajikistan, and Turkey) in the form of a PPT presentation were presented in Session II of the WG Meeting. To reflect the international perspective in the report, FAO, IWMI, and World Bank have been contacted by the Chair and Vice Chair. Hence, the progress on the preparation of the Technical Report of the WG was satisfactory.

ASRWG Minutes Item 5.2: Organization of Internal/International Workshops

14. Ten member countries (Australia, China, India, Indonesia, Iraq, Japan, Pakistan, Sri Lanka, Malaysia, and Turkey) presented their CCS during the Internal Workshop in the second half of the ASRWG meeting. The organization of the internal workshop would continue in 2023 to get more reports from some other member countries. A meeting was sought with IACID members to discuss the international workshops but it could not be materialized.

ASRWG Minutes Item 6: Strengthening linkages among NCs

15. The WG re-recognized that the linkages among NCs of the member countries need to be strengthened and close/ smooth communication among the WG members also needs to be established.

ASRWG Minutes Item 7: Collaboration with the International Society of Paddy and Water Environment Engineering (PAWEES) and the International Network of Water Environment and Paddy Fields (INWEPF)

16. The ASRWG has long been cooperating with PAWEES and INWEPF as they have common mutual interests. The Chair informed the members of the past events and upcoming activities of PAWEES and INWEPF, and the association of ASRWG with them.

ASRWG Minutes Item 8: Interim online meeting of the working group

17. The group noted that the next 74th IEC face-to-face meeting is planned to be held during 16-22 April 2023 in Beijing, China, and therefore not more than one interim meeting may be possible before the planned 74th IEC in 2023.

ASRWG Minutes Item 9: Working Group webpage update

18. 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, Members were requested to review and update their information

using their credentials and help ICID Central Office to maintain accurate information. The presentations made during the Session II will be collected and uploaded on the ICID website/ WG webpage.

ASRWG Minutes Item 10: 14th International Drainage Workshop, September 2023 in Tajikistan

19. Mr. Rauf Yuldashev from the Tajikistan National Committee on Irrigation and Drainage (TajNCID) presented a proposal to organize the 14th International Drainage Workshop (IDW) on the topic “Modernization of irrigation and drainage systems for adaptation to climate change and sustainable development” in September 2023 at Dushanbe in the Republic of Tajikistan. The PCTA/IEC may take a view on the subject.

ASRWG Minutes Item 11: Any other business

20. Regarding the **World Irrigation and Drainage Schemes (WI&DS)**, Chair encouraged members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details were outlined on the portal <<https://wip.icidevents.org/>> in detail.



Annex [Appendix VI, Item 4]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

| Goals/ Strategies | Activities | Outcomes/ Outputs | Milestone for Year 2021 | Milestone for Year 2022 | Milestone for Year 2023 | Milestone for Year 2024 | Responsibility |
|--|---|--|--|--|---|--|----------------|
| C3. Strategy: Promoting Regional Cooperation | 3.5 Enhance Linkages between National Committees for International Cooperation | Technical Report | Enhancement of Linkages between NCs for International Cooperation through Knowledge Sharing and Event organization | Enhancement of Linkages between NCs for International Cooperation through Knowledge Sharing and Event organization | Enhancement of Linkages between NCs for International Cooperation through Knowledge Sharing and Event organization | Enhancement of Linkages between NCs for International Cooperation through Knowledge Sharing and Event organization | |
| | 3.6 Broaden relationship and mutual understanding and cooperation between NCs from developing countries and developed countries | Collaboration/ MoU | Exchange visits/ training between NCs | Exchange visits/ training between NCs | Exchange visits/ training between NCs | Exchange visits/ training between NCs | |
| | 3.7 International conference/ workshop/ seminar | Compilation of proceedings | Review of the Process, Organization, and Outcomes of the 8th Asian Regional Conference, May 2018, Nepal | MoU between NCs | Collaborated Preparatory Works for the 9th Asian Regional Conference with IACID | Workshop and/or Session in 9th Asian Regional Conference, Sep. 2024, Australia. | |
| | | | | Participation in 9th World Water Forum (WWF9), March 2022, Senegal | | | |
| | | | | Participation in 4th Asia-Pacific Water Summit (APWS4), April 2022, Japan | | | |
| C4. Strategy: Compile, Collate and Share Knowledge and Experiences | 4.4 Special joint Publication on Agricultural Water Management for Sustainable Rural Development | Side Event with AARDO (African-Asian Rural Development Organization) (held in 2018) | | | | | |
| | | | WG Workshops on Impacts of COVID-19 on Agricultural Water Management in Asia | | | | |
| | 4.21 Report on "Contribution of Agricultural Water to the Rural Development in Asia" | Technical Report ("Contribution of Agricultural Water to the Rural Development in Asia" was published in 2018) | | Workshop on Irrigation and Drainage for Asian Food Security in Asia, in 73rd IEC, Oct. 2022, Australia | Workshops on Irrigation and Drainage for Asian Food Security in Asia, in 74th IEC, Apr. 2023, China, and 75th IEC, Nov. 2023, India | The formal release of the Report at 9th ARC, Sep. 2025, Australia | |
| D3. Strategy: Facilitate Development of Inter-sectoral Platforms Involving NCs | 3.1 Developing inter-sectoral engagement | | Collaboration with PAWEES and INWEPF | Collaboration with PAWEES and INWEPF | Collaboration with PAWEES and INWEPF | Collaboration with PAWEES and INWEPF | |
| | | | Organizing multi-sectoral events /workshops | Organizing multi-sectoral events /workshops | Organizing multi-sectoral events /workshops | Organizing multi-sectoral events /workshops | |

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



**MINUTES FOR THE 28TH MEETING OF THE
EUROPEAN REGIONAL WORKING GROUP (ERWG)**

7 October 2022, 08:45-10:30 hours (Session-I)
7 October 2022, 11:15-13:00 hours (Session-II)
Adelaide, Australia

Presented by the Chairman

Year of Establishment: 1995

Mandate: The mission of ERWG is to promote awareness about critical ICID relevant water issues at all levels in Europe and to pay special attention to the environmentally sustainable water management in Europe.

Members Present: (1) VPH Dr. Marco Arciero, Interim Chair (Italy); (2) VPH Dr. Laszlo Hayde (Hungary); and (3) Dr. Sami Bourfa (France) represented by Vice President Bruno Grawitz

Observers: (i) President Hon. Peter S. Lee (UK); (ii) VPH Ian Makin (UK); and (iii) President Hon. Prof. Bart Schultz (The Netherlands).

Meeting attended virtually: VPH Dr. Irene Bondarik (Russia).

Website: http://icid-ciid.org/inner_page/106

ERWG Minutes Item 1: Action Taken Report by Chair

1. Due to the impact of Ukraine-Russia conflict, RWG Chair VPH Irena Bondarik (Russia), by her own will, stepped down as the chair of ERWG and VPH Marco Arcieri (Italy) was assigned responsibility of the RWG as its Interim Chair. The working group supported Irena's decision to step down as the chair and noted this as a gracious action. The ERWG appreciated and gratitude to Dr. Irena Bondarik for all the work that she has done for the RWG and ICID. In the next ICID meeting there will be an appreciation to be given to Irena for all her efforts. The new Chair Dr. Marco thanked Secretary General for starting the meeting and RWG adopted VPH Dr. Marco as the new Chair of the ERWG.

1. The Chair presented the report on the actions taken on the decisions and proposals of the European Regional Working Group at its 27th meeting held on 27 November 2021. The membership of Spain to join ICID and the ERWG was discussed in the meeting and Spain was welcome as a member of the RWG.

ERWG Minutes Item 1.1: Strengthening the membership in Europe

2. The current active members of the RWG are Croatia, Estonia, Finland, France, Georgia, Hungary, Ireland, Italy, Portugal, Romania, Russia, Slovenia, Spain, The Netherlands, Ukraine, and United Kingdom. NCs who have either withdrawn or are Associate members are Austria, Bulgaria, Czech Republic, Germany, Greece, Lithuania, Macedonia, Poland, Serbia, Slovenia, and Switzerland.

3. RWG noted that The Netherlands National Committee of ICID (NETHID), founding member of ICID, communicated vide their letter dated 10 June 2022 that they feel obliged to suspend the NETHCID activities for the time being for the reasons such as the number of active members has declined drastically in recent years and due to the rise of online meeting platforms, digital journal access and easily available professional information. Thus, the added value of NETHCID membership has decreased over the past years. According to them, these issues are neither new nor unique to NETHCID, but several European National Committees who are struggling with the similar problems, in particular those without government support. RWG suggested that ICID CO keep following-up with NETHCID. The Netherlands NC has not been paying the membership fees for two years and approached ICID Central Office to postpone the payment of the membership until the reorganization of the National Committee is done.

4. The President of Hungary National Committee passed away earlier in 2022, accordingly NC is under reorganization. The current contact person is VPH Dr. Laszlo Hayde.

5. The new chair of French National Committee Dr. Sami Bourfa and young professional Mr. Evgenii Ratkovich (Russia) introduced themselves as a new member of the RWG. RWG welcomed some new young professionals who joined from UK Water irrigation forum.

6. RWG noted and appreciated efforts of the ICID CO for approaching Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Germany, Greece, Lithuania, Macedonia, Poland, Serbia, Slovak Republic & Switzerland to reactivate/renew their membership by becoming member of ICID once again and noted the interest of Poland National

Committee of ICID in reviving the membership of the ICID. ERWG also noted that ICID Central Office has approached the countries of Albania, Andorra, Armenia, Belarus, Belgium, Bolivia, Bosnia & Herzegovina, Denmark, Iceland, Kosovo, Latvia, Liechtenstein, Luxembourg, Malta, Moldova, Monaco, Montenegro, Norway, San Marino through their Ministry of Water Resources / Agriculture to join the membership of ICID.

7. During the Water Digest Conference held on 27 July 2022 Mr. Asheesh Agarwal, Senior Market Adviser of Norwegian Embassy met Secretary General Er. Ashwin B. Pandya and discussed the issue of exchange of information about the activities in India. In this regard, ICID CO has shared a letter of membership with Mr. Asheesh Agrawal.

8. There was some discussion about the membership fee that can be difficult for some NCs to collect if there is no support from their respective governments. This can cause some countries to end their membership. The WG discussed how to strengthen the current membership in European countries and concerns among the various NCs represented at the meeting. The members of the WG noted the effort of the Central Office to reach out to the potential member countries and the indications of interest from a few countries.

9. There was discussion about promoting the activities and events in Europe as only thing that is now promote is news and views. It was seemed beneficial to promote national activities to other national committees as well.

10. France is trying to attract not individual members, but organizations related to irrigation and drainage field. France is organizing a yearly virtual workshop that could be opened to other national committees of ERWG.

11. The RWG decided to commit to organize one regional working group workshop every two years (virtual or hybrid mode). This will be initiated by listing topics that are interesting for European working group members (Climate change, extreme events, land use changes). Based on the list RWG will draft a program for the workshops. Dr. Bourfa (France) has agreed to oversee drafting the list. Membership status is given in **Annex 3 (page 29)**.

ERWG Minutes Item 2: Road Map to ICID Vision 2030 –Status of Activities relevant to European Region

12. The Action Plan (Road Map to ICID Vision 2030) was reviewed within the context of discussions of the various items in the WG. RWG members reaffirmed that focus areas of the RWG remain under three goals such as: (1) Strategy B1: Supporting Development of Appropriate Policies: Disseminate the policy paper within ICID; (2) Strategy C3: Prompting Regional Cooperation: Preparation of ICID Europe – brochures (one for use towards Ministries and other institutions and another to attract Young Professionals and others to take part in ICID activities); and (iii) Strategy F1: Enhancing Institutions Capacity Development in Member Countries: Sharing online NC's work programmes and activities. The updated Road Map of the RWG as referred Annex-2 in the Agenda of ERWG.

ERWG Minutes Item 3: Seminar/Session related to Agricultural Water Management in Europe

13. RWG noted that a workshop on 'Salon International de Agriculture' is proposed to be held in 2023 at Paris, France. The Board of AFEID has requested ERWG to find out whether the proposed workshop could be organized and supported with participation of the ICID member countries in Europe. RWG agreed to support this workshop and suggested ICID Central office to approach AFEID to share the updated information (announcement etc.) of the workshop so that the same can be shared to NCs/members of the group for participation and contribution.

14. The Chair informed members about the UN Water summit on Groundwater in France in 6-8 December 2022 held at UNESCO HQ in Paris, France.

15. Chair requested the members of the group to share relevant information about seminars, sessions, workshops etc. in their country for publicizing the events among the countries in Europe. In this regard, ICID Central Office will request the member countries of the group to share their information on seminars/sessions etc. to Chair of the group.

ERWG Minutes Item 4: Links with regional and trans-national organizations for co-operation

16. The WG discussed the need to strengthen linkages among relevant organizations in each member country and also across the European region. The group reviewed the list (Annex 3, Agenda page 75 & 76) of cooperating organization, reducing the list to organizations with a reasonable expectation of collaboration in the coming years.

ERWG Minutes Item 5: Activities of Focus Groups of ERWG

17. During the meeting, the focus groups activities were discussed briefly, and it was noted that each focus group would share their report after the meeting. WG discussed the activities of 'Focus Groups' and decided to have following five Focus groups based on their relevance to Europe: (a) Focus Group on History (WG-HIST) led by VPH Laszlo Hayde (Hungary); (b) Focus Group on Environment (WG-ENV) led by Mrs. Seija Virtanen (Finland); (c) Focus Group on Sustainable Drainage (WG-LDRG) led by Dr. Bernard Vincent (France) & Dr. Irene Bondarik (Russia); (d)

Focus Group on Water Related Risks led by Prof. Klaus Roettcher (Germany) & Mr. Olli-Matti Verta (Finland) and (e) Focus Group on Irrigation and Drainage in the States under Socio-economic Transformation (WG-IDSST) led by VPH Peter Kovalenko (Ukraine). RWG noted that France National Committee is trying to figure out who is replacing Bernard Vincent.

ERWG Minutes Item 6: Task Force on Legislative Framework on Agricultural Drought Mitigation for European Regional (TF-DMD) – Updates

18. During the meeting, Vice President Hon. Dr. Marco Arcieri (Italy) updated the members of the group about the results of his studies and research conducted on Drought Prediction. VPH Dr. Marco informed that results of his research activities will be submitted for publication in the Journal 'Irrigation and Drainage' in the revised short form of a scientific paper titled "Drought Prediction in Southern Italy based on ENSO Observation" and the full version of the paper would be produced as an output of ERWG. In this regard, VPH Dr Marco Arcieri presented the main results of the paper currently under review.

ERWG Minutes Item 7: Proposed workshop of the Working Group

19. As decided in earlier meeting, RWG decided that the proposed workshop on groundwater management and seawater intrusion to aquifers could be organized as a virtual workshop as a European Regional workshop event. VPH Dr. Marco Arcieri has agreed to take a lead alongwith VPH Laszlo Hayde for organizing a workshop of the WG and share the announcement with ICID CO for circulation among the members of the group. The timing for the workshop will be determined in the later meetings of the RWG.

ERWG Minutes Item 8: Dissemination of activities of WG

ERWG Minutes Item 8.1: Website of the Group

20. The WG requested members to share articles, presentations, papers, reports and relevant documents/information based on the mandate of the ERWG for uploading on the WG website. Members were also requested to share the outcome of the seminars/workshops etc. as contribution to VPH Dr. Marco, Chair of the group. The ERWG website has been updated with the membership list, agenda, minutes, paper presentations, publications etc. Members are requested for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments in the various aspect of drainage. Members are also requested to provide information, papers, presentation made on topics related to scope of work of the WG to the ICID Central Office for uploading on the website of the RWG. In order to ensure regular contribution of the members, WG is encouraged to make full use of Zoom platform for virtual meetings in between face-to-face meeting during IEC.

ERWG Minutes Item 8.2: Webinar / Web-based Seminar

21. The potential for webinars to disseminate relevant experience and information about water management in Europe among ICID member countries was discussed in the meeting. It was agreed that the RWG would organize 3 to 4 webinars per year based on the mandate of the RWG. Chair requested the members of the group to participate and contribute their activities in the upcoming webinars of the WG. Irene Bondarik had proposed last year series of Webinars (4 Webinars) concerning precise land reclamation and eco-system water management. Only 2 Webinars have been organized, so they could be continued.

ERWG Minutes Item 9: Any other business

Item 9.1: ICID Member's Profile Section: The group noted the information on ICID Members' Profile Section and Chair invited members to visit the Profile Section for updating their information.

Item 9.2: World Irrigation and Drainage Schemes (WIDS): RWG encouraged members to share appropriate data in 'Register on World Irrigation and Drainage Schemes (WI&DS). The irrigation projects approved by National Committee/ ICID Central Office for inclusion will be entitled to Certification. Members were also requested to encourage all irrigation project owners, managers, and researchers for contributing to the register. The review process and other details are outlined on the portal <<https://wip.icidevents.org/>> in detail.



**MINUTES FOR THE 33RD MEETING OF THE
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**

8 October 2022, 08:45-10:30 Hours (Session-I)
8 October 2022, 11:15-13:00 Hours (Session-II)

Adelaide, Australia

Presented by the Chairman

Year of Establishment: 1990

New Mandate of C-CONGR:

- (a) Representatives from previous events are required to present a summary report to the first meeting of C-CONGR following their event that includes attendance, financial performance, and recommendations for future events. This requirement should be a condition of the LoA.
- (b) National Committees wishing to hold a future Congress/WIF/Regional Conference must make a report to C-CONGR outlining their plans including location, dates, expected attendance, financial budget, registration fees etc. C-CONGR will consider these reports and make a recommendation to PCSO whether to grant the event to the NC.

New membership composition of C-CONGR:

- (a) A Chair who is a representative from the Organising Committee (OC) of the next Congress.
- (b) Two further members from the National Committee for the next Congress and a YP representative if available.
- (c) A representative from each of the confirmed future ICID events (Congress/WIF/Regional Conferences).
- (d) A representative from the previous Congress.
- (e) A representative from ICID CO who will also provide secretarial services.

Members Present: (1) Mr. Kushvinder Vohra (INCID, India), Acting Chair; (2) Mr. Rishi Srivastava (India); (3) Mr. R. Giridhar (India); (4) VPH Dr Ding Kunlun (China); (5) Dr. El Houssine Bartali (Morocco); (6) Prof. Fethi Lebdi (Saudi Arabia); (7) Dr. Bahrom Gaforzoda (Tajikistan); (8) Mr. Mohamad Radzi Bin Abdul Talib & Mr. Ahmad Bin Dakur (Malaysia); (9) VPH Dr. Hafied A. Gany (Indonesia); (11) Dr. Bahaa K. Helmy (Saudi Arabia) and (11) Er B.A. Chivate, Director (Technical), ICID Central Office.

Observers : (i) Dr. Ragab Ragab, President, ICID; (ii) Vice President Bruno Grawitz (France); (iii) VPH Ian Makin (UK); (iv) Dr. David Cameron (Australia); (v) Ms. Li Ruoxi (China); (vi) Engr Mohd Adnan Ahmad Fauzi (Malaysia); (vii) VPH Dr. Marco Arcieri (Italy); (viii) Prof Sylvester Mpandeli (South Africa); (ix) Dr. Vijay K. Labhsetwar (India); (x) VPH Dr. William Vlotman (Australia); (xi) Engr. Anthea Ochedikwu (Nigeria); (xii) Dr. Bahrom Gaforzoda (Tajikistan); (xiii) Engr. Bakhiniso Narzullaeva (Tajikistan); (xiv) Mr. Rauf Yuldashev (Tajikistan); (xv) VPH Dr. Mohamed Wahba (Egypt); (xvi) Ir. Hakibu Tanko (Canada); and (xvii) Ir. Siboniso Mkhaliphi (South Africa).

Website: http://icid-ciid.org/inner_page/107

C-CONGR Minutes Item 1: Action taken report by Chairman

1. Mr. Kushvinder Vohra (India), Member, Central Water Commission and Ex-officio Additional Secretary to Govt of India welcomed the participants in the 33rd meeting of C-CONGR and informed that Mr. Bryan Ward, Chairman of the C-CONGR could not attend the meeting due to some unavoidable circumstances. So, report of the C-CONGR could not be presented during the meeting.
2. The Chairman reported that COVID-19 continues to make event planning difficult and congratulated the Moroccan National Committee (ANAFIDE) on managing to navigate the difficulties of the pandemic to deliver a successful event. The Chairman thanked Pr. El Houssine Baratali for his assistance to visiting delegates and his general organization of the event.

C-CONGR Minutes Item 1.1: A brief report of the first virtual meeting of C-CONGR on 03 March 2022

3. The minutes of the first virtual meeting of C-CONGR (https://icid-ciid.org/icid_data_web/min_congr_webmeeting2022.pdf) held on 03 July 2021 were noted and accepted. The minutes of the online meetings of the Workbodies can also be accessed at https://icid-ciid.org/inner_page/152

C-CONGR Minutes Item 2: Revised mandate and new Membership Composition of the Committee

4. The new composition and mandate of C-CONGR was discussed and noted, as above. The next Chairman of C-CONGR will be Mr. Kushvinder Vohra (India), Member, Central Water Commission and Ex-officio Additional Secretary to Govt. of India, New Delhi.

C-CONGR Minutes Item 3: Overview of 24th ICID Congress & 73rd IEC, 3-10 October 2022 at Adelaide, Australia - Updates

5. The Committee could not be apprised due to non-availability of Mr. Bryan Ward, Chair of C-CONGR.

C-CONGR Minutes Item 4: Feedback from the organizer of the past events**C-CONGR Minutes Item 4.1: Feedback from 72nd IEC and 5th AfRC, Marrakesh, Morocco**

6. The feedback was provided by Dr. El Houssine Bartali (Morocco). He intimated that there was a training session organised for Young Professionals. Due to Covid-19, IEC could not be held in physical mode as scheduled but was successfully held partially online. However, he mentioned that Hybrid arrangements get costlier and face to face meeting seems better.

7. He apprised the Committee that the report of the C-CONGR has been submitted to PCSO/IEC. He also informed that 'share of registration fee' of this event to be given to ICID and requested for expediting of the same.

C-CONGR Minutes Item 5: Preparations for the future events for the next 3 years**C-CONGR Minutes Item 5.1: 10th International Micro Irrigation Conference, 25-27 January 2023 at Dakhla, Morocco**

8. Dr. El Houssine Bartali (Morocco) informed the Committee about the importance of non-conventional water (desalination) for irrigation. The topic / theme would be "Micro irrigation in the era of technology innovation and digital transformation". There would be six sub-themes. The request for submission of abstracts / papers has been made. The abstract / papers can be submitted through online system. The delegates are expected from about 20-30 countries.

9. Dr Ragab Ragab (United Kingdom), President ICID advised to avoid giving deadlines especially in summer, owing to the vacation time (July-August in particular). He also suggested that side events highlighting the local issues could result in increased participation. VPH Ian Makin (UK) opined that holding of too many side-events at the same time with main event may result in lesser participation for the main event. President Dr Ragab clarified that he did not mean side-event. He had only suggested side-events or sub-themes that are closer to the regional configuration. Dr. Bartali also mentioned that 5th African Regional Conference (5th AfRC) was successful due to side-events.

10. Dr Bartali was requested to submit the detailed note on the 10th IMIC preparation and proposed activities.

C-CONGR Minutes Items 5.2: 74th IEC Meeting and 4th WIF, 16-22 April 2023 at Beijing, China

11. A presentation was made by Chinese delegation regarding preparedness for the 74th IEC to be held in Beijing in April 2023 and was informed about 1000 delegates are likely to participate. Dr Ragab Ragab, President ICID suggested that the year 2023 is already heavily loaded with events and suggested to subsume 74th IEC into 75th IEC. The Chinese delegates informed that preparations are well underway, but they were open to suggestion of Dr Ragab Ragab and will be in touch with central office of ICID in this regard.

12. President Dr Ragab and VPH Eng. I. K. Musa (Nigeria) also suggested exploring the option of:

- (a) The events may be held in hybrid mode and the registration fee for the participants opting to participate online, should be reduced which may result into increased participation. This will help in participation of professionals having any health issues or having some other constraints.
- (b) Moreover, the general expenditure / price levels differ from country to country, so the registration fee should be in accordance to price levels of the country where the event is being held.
- (c) Further, President Dr Ragab informed that FAO wants a side-event on their own. VPH Dr Ding Kulun (China) informed that they are looking into it.

13. VPH Musa expressed concerns about the 'Early Bird' registrations and delays in getting clearances / VISA that leads to increased costs for staying, and difficulty in getting finances due to recession resulting from Covid-19 etc.

14. Mr David Cameron (Australia) suggested that the registration fee should be such that the delegates do not feel the pinch and simultaneously the organising company / event-managers should also find the event interesting from the point of view of ROI, else they might lose interest in holding such events.

15. Mr Bruno Grawitz, representative from France, suggested having a statistic from past events to delve deeper to arrive at the strategy regarding registration fee etc. He also suggested that statistics of finances alone may not give a clear picture. In addition, some sort of survey / questionnaire also needs to be given to participants after the event so that they can express their feedback. This would lead to better planning of future events.

16. Mr. Kushvinder Vohra (India) expressed the view that having different registration fee for events held in different countries may pose different kind of issues, such as participants may not register for the events that are held in costlier countries and may wait for the event to happen in relatively cheaper locations.

17. Chairman also expressed that decreased Registration Fee may not necessarily lead to increased participation, as mostly the participants are sponsored by some organisation or the other. The number of participants bearing the expenses on their own may be very less as compared to the sponsored participants. So, it needs to be studied / deliberated in totality and it was agreed upon that a detailed analysis needs to be undertaken from the statistics available from past events in order to take an informed view on this. Chairman mentioned that all the views of the participants have been noted and would be placed for consideration of ICID.

C-CONGR Minutes Item 5.3: 14th International Drainage Workshop, September 2023, Dushanbe, Tajikistan

18. The delegates from Tajikistan made the presentation about the same. President Dr. Ragab suggested that 2023 is heavily loaded and suggested them to consider it for 2024, to which Tajikistan side had no major issues with the suggestion. Mr. Kushvinder Vohra suggested that Tajikistan side may reschedule the same in consultation with ICID central office. Tajikistan side mentioned that they will re-plan it during April 2024.

C-CONGR Minutes Item 5.4: 75th IEC Meeting and 25th Congress, 1-7 November 2023 at Visakhapatnam, Andhra Pradesh, India

19. Mr. Rishi Srivastava (India), Chief Engineer, CWC made a presentation about the preparedness for the event. The technical tours and other details were also highlighted in the presentation. It was also informed that the exhibition space has been planned for about 60 stalls. Chair informed that the Congress would be a memorable event with so many field trips / tourist places to visit.

C-CONGR Minutes Item 5.5: 76th IEC Meeting and 9th AsRC, 1-7 September 2024 at Sydney, Australia

20. There was no PowerPoint presentation from Australia. It was informed to the Committee that event is tentatively scheduled for 1-7 September 2024 and necessary planning processes are going on, as scheduled.

C-CONGR Minutes Item 5.5: 77th IEC Meeting and 5th World Irrigation Forum, September 2025 at Kuala Lumpur, Malaysia

21. The representative from Malaysia made the presentation before the Committee about the venue and facilities available for holding the event(s). President Dr Ragab suggested to plan it in 2026 as some events have been planned by France. The representative from Malaysia informed that they would discuss with counterparts from France and inform.

22. VPH Musa mentioned that we should take benefit from knowledge gathered from past events. President ICID Dr Ragab mentioned that we may think of possibility of omitting early bird incentive and keep flat rate for participants in general category.

C-CONGR Minutes Item 6: Website of the C-C-CONGR

23. It was informed by President Dr Ragab that the website for C-CONGR is in place, including websites for all other working groups.

C-CONGR Minutes Item 7: Any other business

- (a) **ICID Members' Profile Section:** President Dr. Ragab informed the participants to enter the requisite details, upload paper / abstracts etc. on the ICID webpage.
- (b) **Register on World Irrigation and Drainage Schemes (WI&DS):** Chair informed the participants about the ICID initiative towards preparing a World Irrigation and Drainage Schemes (WI&DS). He mentioned that data of about 2000 projects would come from India. He further mentioned that CWC, Govt of India, shall prepare this register for India and link would be provided to ICID for fetching information for world register. He expressed that representatives of other national committees may also enter data pertaining to projects in their country, so that comprehensive world register of irrigation projects can be prepared by ICID.

- (c) The representative from Nigeria expressed their intent to conduct 6th AfRC at Abuja, Nigeria during 14-18 April 2025, as Sudan have expressed their inability to conduct the same. They also made the PowerPoint presentation about their proposal. The representative of African Regional Working Group expressed agreement and requested IEC to take the request under consideration.
- (d) It was also suggested that there should be a questionnaire at the end of each event for knowing satisfaction level of participants.

The 33rd meeting of C-CONGR ended with vote of thanks to the Chair.



**MINUTES OF THE 6TH MEETING OF THE
ICID YOUNG PROFESSIONAL'S E-FORUM (IYPeF)**
7 October 2022: 14:00-15:45 hours (Session I)
7 October 2022: 16:15-18:00 hours (Session II)
Adelaide, Australia

Year of Establishment: 2014

Mandate: (i) Encourage and promote a high standard of professional development amongst the young professionals in the field of irrigation, drainage, and flood management; (ii) Provide an international platform for young irrigation and drainage professionals; (iii) Expose young professional to ICID's purpose, objectives, role and activities; (iv) Facilitate the wider dissemination of knowledge and information amongst the young professionals; and (v) Maintain and enhance links with national and international youth having interests in water related subjects or the activities, relevant to ICID objectives.

Coordinator : Eng. Ms. Aya Mohammed Hassan Ali Elkholy (Egypt) and

Joint Coordinator : Dr. (Ms.) Heidi Salo (Finland)

IYPeF Minutes Item 1: Introduction of ICID Young Professionals e-Forum (IYPeF)

1. ICID Young Professional's e-Forum (IYPeF) (<https://www.linkedin.com/groups/6990321>), now consisting of more than 1000 members. The platform has been used for sharing information and discussing topics between different countries.
2. The Coordinator and Joint Coordinator of IYPeF. Er. Ms. Aya Mohammed Hassan Ali Elkholy (Egypt) and Dr. (Ms.) Heidi Salo (Finland) was elected as 'Coordinator' and 'Joint Coordinator' of the IYPeF for the year 2021-2022. IYPeF organized an e-discussion in May 2022.
3. The terms of the present Coordinator and Joint Coordinator was extended from 31st August 2022 to December 2022. January 2023 is the next election for coordinator and joint coordinator. The national committees will give nominations for the election process and the LinkedIn forum members will vote for the Coordinator and Joint-Coordinator.

IYPeF Minutes Item 1.1: Sponsorship of YPs to ICID Events

4. Depending upon the fund availability 10 YPs will be sponsored every year to ICID Annual events. To the 24th International Congress in Adelaide, 8 YPs were sponsored out of the selected 10 YPs because of late documentation by YPs and hike in air tickets, and budgetary constraints. Next sponsorship will be available for the 25th International Congress in India in November 2023.

IYPeF Minutes Item 2: Meeting with ICID Central Office and Coordinator and Joint Coordinator

5. Coordinator IYPeF briefed the participants regarding the online meeting with ICID Central Office for the election of new Coordinator and Joint Coordinator of ICID Young Professional's e-Forum (IYPeF).

IYPeF Minutes Item 3: Future activities plan by Coordinator and Joint Coordinator

6. As indicated in para 6, Coordinator and Joint Coordinator will present and discuss activities plan of IYPeF for the year 2022 and 2023. The coordinator and joint-coordinator asked the IYPeF members to share ideas for the next e-discussions to be held in the LinkedIn forum of IYPeF.
 - (a) Future discussion topics:
 - (b) Flood management in different countries – case studies from Sri Lanka (Prianka, Sri Lanka)
 - (c) The role of YPs in irrigation and drainage sector (Vicky Ariyanti, Indonesia)
 - (d) How to make the irrigation sector appealing to young professionals (Siti Hawa, Malaysia)
7. In the annual meetings there should be field excursions organized for young professionals to get to know better the country they are visiting.
8. In the ICID annual meetings, there should be organized YP social activities (lunch, dinner, etc.).

9. Opportunity to share experiences from young professionals during the annual meetings of ICID or in virtual platforms.

IYPeF Minutes Item 4: Any other business

10. **Capacity Development Training Program for YPs in October 2022 at Adelaide, Australia:** As a part of the Capacity Development Training Programme, ICID in association with the Virtual Irrigation Academy (VIA) is organizing one-day training for Young Professionals (sponsored by ICID as well as local YPs) on 09 October 2022 at the Adelaide Convention Centre, Australia.

11. **5th African Young Professional Forum during Cairo Water Week 2022, October 2022:** The 5th African Young Water Professional Forum (Af-YWP Forum) will be organized from 17-18 October 2022 (*in Hybrid mode*) under the platform of Cairo Water Week 2022 (CWW). During the Forum, two days training workshops will be organized.

12. **ICID Members' Profile Section:** The IYPeF noted the information on ICID Members' Profile Section and invited the members to visit the Profile Section (<https://icid.bmeurl.co/C7D4D2E>) for updating their information.

13. **Register on World Irrigation Projects (WIP):** It was noted that 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 which is available at <https://wip.icidevents.org/>



**MINUTES OF THE 6th MEETING OF THE
INTERNATIONAL RESEARCH PROGRAM FOR IRRIGATION & DRAINAGE:
ADVISORY COMMITTEE (AC-IRPID)**
06 October 2022 : 14.00 – 15.45 Hours
Adelaide, Australia

Members Present: (1) VP Dr. Tsugihiko Watanabe, Chairman, PCTA & Co-Theme Leader, Strategy Theme-Schemes (Japan), Chair; (2) Dr. Ms. Narges Zohrabi, Head, Ahwaz Regional Node of IRPID-IRN (Iran); (3) Ms. Gao Hong, Vice Secretary, CNCID & Representative of Beijing Regional Node of IRPID (China) represented by Ms. Li Ruoxi; (4) Dr. Bahrom Gaforzoda, Head, Central Asian and Caucasus Regional Node (Tajikistan); (5) Dr. Alok Sikka, IWMI Representative and (6) Mr. Ashwin B. Pandya, Secretary General, ICID.

Observers: (1) VPH Dr. Ding Kunlun (China); (2) VPH Dr. Mohamed Wahba (Egypt); (3) VPH Dr. Marco Arcieri (Italy); (4) Ms. Nana Horii Ishikawa (Japan) (5) Mr. Kenji Yasoda (Japan); (6) Mr. Keisuke Inokuchi (Japan); (7) Mr. Shouno Toshiaki (Japan) and (8) Mr. Rauf Yuldashev (Tajikistan).

Terms of Reference (ToR):

The Advisory Committee is responsible for developing a Framework Action Plan for the program, guided by the concept document as was presented at the 61st IEC in Yogyakarta in 2010 and keep overall coordination among the Nodes duly supporting their autonomy and maintaining flexibility in fulfilling their roles. These can be categorised as follows:

- (a) Develop the Strategy duly describing the strategic objectives and a Framework Action Plan for the program.
- (b) Review and monitor the implementation of the program to ensure the quality of outputs and their effectiveness; and
- (c) Mobilize and allocate extra-budgetary resources through joint activities.

AC-IRPID Minutes Item 1: Brief introduction by SG, ICID

1. SG provided a brief introduction and overview of the IRPID Scheme to the Committee members since the launch of the revised scheme in Chiang Mai, Thailand during the 67th IEC meeting in November 2016 in view of the ICID Vision 2030, with the Advisory Committee coordinating the research activities. Under the revised IRPID Scheme, the Regional Nodes (RNs) are to be established, and the functioning RNs are to provide their inputs to the Committee for its consideration and guidance. He provided a brief update on the RNs established and RNs under formation. He suggested that IRPID RNs may promote the capacity building activities which cannot generate quick project-oriented outcomes.

AC-IRPID Minutes Item 2: Inputs from Beijing Regional Node

2. On behalf of the Beijing Regional Node, its representative Ms. Li Ruoxi provided a brief report on the activities undertaken by the Beijing RN since December 2021.

3. Ms. Ruoxi informed the Committee that the activities of the Beijing Node were disrupted by the COVID-related restrictions on large-scale gatherings and international travel. Hence, the Beijing RN restricted its activities to online mode only. For instance, the Beijing RN assisted the Chinese Ministry of Water Resources and the Japanese Ministry of Agriculture, Forestry and Fishery to organize the routine annual technical exchange on irrigation and drainage in December 2021. More than 500 representatives from governments, research institutes, and irrigation schemes attended the event. Topics covered were policy and planning, irrigation scheme management, and the application of innovative technologies, etc.

4. Another effort made by the Beijing RN was to support the Chinese experts to attend ICID webinars. Relevant announcements were translated and circulated among Chinese members of ICID WGs, universities, and research institutes. The average attendance was around 30 per event. Apart from contributing through attendance, Beijing RN was also able to co-organize webinars. For instance, Prof. Kang Yaohu served as the keynote speaker of ICID Webinar on Advanced Micro Irrigation Technology with Precision Water and Salt Management, while Dr. Ding Kunlun delivered lectures in the Webinar Series on Rainwater Harvesting jointly organized by FAO, ICARDA, and ICID.

5. Looking forward, the Beijing RN is quite optimistic about the relaxing of the COVID-related restrictions and resuming its normal activities as soon as the situation improves, so as to fulfill its mission with better capacity.

6. The Advisory Committee appreciated the activities undertaken by the Beijing RN. The Committee expected that the activities undertaken by RNs and their functioning will guide the RNs, which are in the formative stage.

AC-IRPID Minutes Item 3: Inputs from Ahwaz Regional Node

7. The Head of the Ahwaz Regional Node, Dr. Ms. Narges Zohrabi presented the report on the activities undertaken so far by the Ahwaz RN and its future plans. Dr. Zohrabi provided a brief introduction, including the vision, mission, and action plans drawn up by Ahwaz RN to achieve its mandate. At present, eight countries, viz. Russia, Korea, Iraq, Egypt, Tajikistan, Afghanistan, and Georgia are members of the Ahwaz RN, and the meetings were organized periodically to encourage the member countries to have joint research and collaborative programs in the areas of common concern.

8. The main activities undertaken by the Ahwaz RN during the last year included (a) “The Russian-Iran Protocol”, (b) “First Joint Collaboration between FAO, ICID & IRPID-IRN” and (c) the publication of the Persian version of the FAO White Paper “Water Accounting for Water Governance and Sustainable Development”, which will enhance the Farsi literature concerning water accounting concepts. This will benefit not only the Iranian audience, but considerable Farsi speakers in Tajikistan, Afghanistan, and other member countries.

9. Under “The Russian-Iran Protocol”, Russia and Iran expressed their willingness to have bilateral research collaborations which resulted in several visits and skype meetings leading to the signing of three collaboration protocols -- Protocol I, II, and III. The implementing agencies for the Protocols will be the Deputy Soil and Water and Deputy of Research (*affiliated with the Iranian Ministry of Agricultural Jihad*) and Khuzestan Water and Power Authority (KWPA) (*affiliated with the Ministry of Energy*) on the part of Iran and the All-Russian Scientific Research Institute for Hydraulic Engineering and Land Reclamation on the part of Russia.

10. She also presented the future plan, which includes (i) the organization of three webinars and one workshop, (ii) the third Management Board meeting of RN during the 14th International Drainage Workshop in Tajikistan, and (iii) the introduction of the new website of the RN in near future. Ahwaz RN looks forward to enhancing international cooperation with other national/international institutions to conduct research in order to generate more interest supported by international donors in carrying out its planned activities.

11. The Advisory Committee noted the activities undertaken by the Ahwaz RN and expressed its appreciation for the functioning of the Ahwaz RN.

AC-IRPID Minutes Item 4: Inputs from Central Asian-Caucasus Regional Node

12. On behalf of the Head/Representative of the Central Asian and Caucasus Regional Node, Mr. Rauf Yuldeshev of TAJNCID provided an update about the establishment of the RN in Central Asian and Caucasus (CAC) Region and activities undertaken so far and its future plans.

13. He gave a brief overview of the water resources sector in Tajikistan and various activities undertaken by Tajikistan being the initiator of the resolutions in the UN General Assembly which resulted in the declaration of the International Decade for Action “Water for Life” (2005-2015), International Year of Water Cooperation (2013) and the International Decade for Action “Water for Sustainable Development” (2018-2028) in order to improve the global water situation. He provided in detail about the various activities by TAJNCID in the field of land reclamation and irrigation, problems encountered and the water sector reform program for the period 2016-2022. He informed about the events organized by TAJNCID within their framework and study tours and field meetings conducted during the period which contributed towards the development of regional cooperation among the water management organizations of the Countries in the regions of Central Asia and the Caucasus. He also highlighted the cooperation of TAJNCID with CNCID and the hosting of the 14th International Drainage Workshop by TAJNCID in 2024 at Dushanbe.

14. The Advisory Committee noted the report presented by the representative of the CAC RN and expected that the RN will be benefitted immensely from the various initiatives and activities organized by TAJNCID.

AC-IRPID Minutes Item 5: Evolving Collaborative Research Mechanism among the Regional Nodes

15. The Advisory Committee reviewed the existing collaborative research mechanism among the RNs and requested all RNs and NCs to encourage the research institutions in their countries involved in AWM to join the network by projecting key information of their research activities for wider dissemination and fulfilling the objective of research mechanism among RNs. Based on the positive achievements of the RNs in Beijing and Ahwaz, the Advisory Committee suggested that it is essential to continue to support the activities and further revitalize their activities. To this end, it is necessary to clarify the organization and structure of the RNs in operation.

16. The Advisory Committee noted that only seven research institutes have been registered so far in the IrriSEARCH (https://icid-ciid.org/inner_page/62) portal, an important tool initiated in 2017 towards fulfilling the objectives of IRPID. The research institutes/organizations once registered in IrriSEARCH, will be provided with User IDs, so that they will be able to upload the information on the IRPID page themselves.

17. The Advisory Committee felt that the portal needs to be revitalized in order to achieve its objective of bringing together all agriculture water management (AWM) research activities from various NCs on a single forum to help others learn from their experiences and asked the Central Office to take necessary steps in this regard.

AC-IRPID Minutes Item 6: Dissemination Mechanism on Exchange of Research Findings

18. The Advisory Committee noted that a dedicated page on ICID website for IRPID (https://icid-ciid.org/inner_page/77) has been created with an aim to encourage the exchanges of research findings on an intra-node basis and inter-node basis, besides disseminating IRPID activities through ICID News update and ICID News. The Advisory Committee requested the existing functional RNs to upload their activities on this dedicated page for the benefit of all, as it will act as an important tool for the exchange of research findings between the RNs for the benefit of their network countries. SG assured the CO assistance in uploading the information if the RNs face any difficulty in this regard.

19. The Advisory Committee observed that the activities of the RN should basically be centered on "research", but the importance and possibility of covering related activities such as "human resource development" should be considered.

AC-IRPID Minutes Item 7: Establishment of Additional Regional Nodes

20. The Advisory Committee noted that the NCs have been requested to establish additional RNs, by circulating the IRPID Scheme in force, in regions, where the RNs are yet to be formed, keeping in view that new RNs should be recognized on the basis of their willingness to be able to pursue the research activities from their own resources. Accordingly, the RNs should be proposed voluntarily, based on identified needs. It is necessary to set some guiding principles in defining the scope of RNs both in terms of their geographical location and region-specific needs.

21. The Advisory Committee was informed that efforts are being made towards the establishment of a Mediterranean RN coordinated by VPH Dr. Marco Arcieri, ITAL-ICID, with the support of institutions like the International Center for Advanced Mediterranean Agronomic Studies (CIHEAM), and the second one in Africa region by VPH Dr. Mohamed Wahba, Chair, AFRWG with the support of NCs of Egypt, Morocco, Sudan, etc. A few NCs like Hungary have evinced their interest in participating in the activities of Mediterranean RN.

22. The Advisory Committee advocated that based on reviewing the experiences, achievements, and challenges of the preceding RNs, new RNs of IRPID may be established and developed.

AC-IRPID Minutes Item 8: Leveraging National Funding to finance RNs

23. The Advisory Committee noted that one of the objectives of the IRPID is to support the NCs to receive adequate funding from their own governments. In the earlier meetings of the Advisory Committee, the members were unanimous in their opinion that the NCs, through the outcomes of the RNs, sharing the best and new technologies, making use of various ICID communication channels, such as web pages, ICID News and Irrigation and Drainage Journal, were in the best position to leverage the research and development outcomes for their direct implementation in the field. Thus, they should be able to leverage their national funding sources through international collaboration.

24. However, it is recognized that in many cases, the NCs may not be able to raise resources for international activities. In such cases, it was suggested the Program may approach international funding mechanisms that support AWM activities. However, in order to attract such funding for the IRPID program, there is a need to have a good track record of successful outcomes.

25. The Committee concluded that in order to vitalize the activities of the RNs further, an increase in the number of member countries in the RN and cooperation with international organizations play significant roles, and for which required strategies to obtain funds need to be developed.

AC-IRPID Minutes Item 9: Any Other Business



**MINUTES OF THE 7TH MEETING OF THE
WORKING GROUP ON ENVIRONMENT (WG-ENV)**

07 October 2022, 09:00-10:45 hours (Session I) and 11:15-13:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Basin

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2022

Mandate: (a) To provide guidance to policymakers, 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) Dr. Hao-Che Ho (Chinese Taipei Committee); (2) Ir. Mohd Azmi Ismail (Malaysia); (3) Dr. Aynur Fayrap (Turkey); (4) Secretary General, ICID represented by Er. B.A. Chivate, Director-Technical (India).

Observers: (i) Dr. Masaomi Kimura (Japan); (ii) Dr. Naoko Koshiyama (Japan); (iii) Dr. Sugiura Mikiko (Japan); (iv) Dr. Shinji Fukuda (Japan); (v) Dr. Ahmad Anuar Othman (Malaysia); (vi) Prof. Jin-Yong Choi (South Korea).

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

1. About 10 participants comprising 3 WG members and 7 observers attended the Adelaide meeting. All members present during the Adelaide meeting introduced themselves. Since Chair, Vice Chair and Secretary could not attend the meeting due to some reasons, one of the members i.e. Ir. Mohd Azmi Ismail leads the discussion with the help of Er. B.A. Chivate, Director (Technical) from ICID Central Office. However, **the meeting was cancelled due to the low participation of WG members.**

2. All participants were enthusiastic to discuss issues pertaining to the environment and the mandate of the WG. WG suggested having a virtual meeting of the group in January 2023 or earlier. It was suggested that all attendees will be invited to the next virtual meeting of the WG. Membership status is given in **Annex 3 (page 29).**



**MINUTES FOR THE 5TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**

8 October 2022, 08:45-10:30 hours (Session-I)
8 October 2022, 11:15-13:00 hours (Session-II)
Adelaide, Australia

Strategy Theme: Basin
Presented by the Chairman

Year of Establishment: 2017

Extended the completion of the Mandate: 2023

Mandate : (a) To understand the existing and potential challenges and opportunities of tidal areas for now and the future by figuring out underlying issues; (b) To raise awareness of the increasing risk on tidal areas due to global climate change and stimulate interdisciplinary discussions on impacts, mitigation, and adaptation; (c) To enhance survey, design techniques, and monitoring and management programs for the irrigation and drainage facilities, and apply to collect information about the tidal area environment around the world; (d) To identify sustainable development and management options in tidal areas, and find a balance between the conservation and development of tidal areas with acknowledgement of ecosystem services; and (e) To join the international dialogues and organize international conferences and short courses to promote interdisciplinary and participatory land and water planning and management in tidal areas; and (f) To collaborate with other related working groups actively, and to exchange relevant experiences amongst NCs and support for developing, and least developed countries.

Present Members: (1) Dr. Ruey-Chy Kao (Chinese Taipei Committee), Chairman; (2) Mr. Dato. Ir. Hj. Nor Hisham bin Mohd Ghazali (Vice-President, ICID), Vice-Chairman, (3) Prof. Budi Santoso Wignyosukarto (Indonesia); (4) Dr. Hiroki Minakawa (Japan); (5) Dr. Vijay K. Labhsetwar (India); (6) Dr Jeongryeol Jang (KCID Korea, represented by Ms Seung-won Lee); (7) President Hon. Prof. dr. Bart Schulz (The Netherlands); (8) Dr. Hsiao Weng represented by Chung Feng Ding (CTCID); (9) Mr. Surat Thanusin (THAICID, represented by Ms. Chitchaya Tissaro. (10) ICID Secretary General represented by Er. B.A. Chivate, Director (Technical), ICID CO.

Observers: (i) Engr. Jen Yao Wu (CTCID); (ii) Engr. M.D. Janaka Priyantha Wickramasooriya (Sri Lanka); (iii) Ir. Nana Ishikawa (Japan); (iv) Ir. Pei Chun Ni (CTCID); (v) Dr. Jin Yong Choi (Rep. of Korea); and (vi) Ir. Henk Rizema (The Netherlands) represented by President Hon. Prof. dr. Bart Schultz.

Website: http://icid-ciid.org/inner_page/109

WG-SDTA Minutes Item 1: Action Taken Report by Chair

1. Dr. Ruey-Chy Kao (Chinese Taipei Committee), Chairman of the WG-SDTA welcomed all the members and presented a report on the actions taken on the decisions held at its last meeting in November 2021 in Marrakesh, Morocco.

WG-SDTA Agenda Item 1.1: Appraisal of Membership

2. WG informed that Mr. Paavan Kumar Reddy (India), Secretary of the group was not able to attend this meeting.

3. WG reviewed the membership nomination of Ir. LIU Zhitong (China) received from Chinese National Committee of ICID (CNCID). However, Ir. LIU Zhitong was not present, so his membership was accepted provisionally. Membership status is given in **Annex 3 (page 29)**.

WG-SDTA Agenda Item 1.2: A brief report of Online/WebEx Meeting of the Group, 13 May 2022

4. A brief report of the first virtual meeting of the WG was successfully held on 13 May 2022. The minutes of the virtual meeting of the WG can be accessed at <https://icid-ciid.org/icid_data_web/min_sdta_webmtg130522.pdf>.

WG-SDTA Minutes Item 2: ICID Action Plan 2030: Activities on Sustainable Development of Tidal Areas

5. In this meeting Vice-Chair Nor Hisham Ghazali introduced the mandate of the WG for the benefit of first-time attendees. The meeting agreed that the mandate be maintained, and we should remain focused towards completing the Action Plan 2030 (Road Map to ICID Vision 2030) by pursuing the activities as agreed earlier. However, milestones can be reviewed, if necessary, provided that members continue to communicate their plans to the Chair (refer Annex 2 of the WG Agenda).

WG-SDTA Minutes Item 3: Upcoming WG Events**WG-SDTA Minutes Item 3.1: International Workshop on ‘Integrated Solution for Irrigation and Drainage Tails and Land Subsidence in Tidal Areas’ in 2022 at Adelaide, South Australia**

6. The International Workshop of the WG-SDTA was held on 3rd October 2022 as planned and attended by approximately 50 participants. Unfortunately, only 2 out of a scheduled, 8 papers were presented. It was decided that the remaining 6 papers be presented in the next international workshop. The WG will propose another International Workshop at the 74th IEC meeting in April or the 75th IEC meeting in November 2023. This means, NCs will have time to contribute papers in the coming months.

WG-SDTA Minutes Item 3.2: Short Course titled ‘Tidal Prediction and Land Subsidence Prevention and Reclamation’ in 2022-23

7. The meeting considered topics such as land subsidence (related and unrelated to groundwater abstraction), climate change and sea level rise, increased storm surges and coastal flooding are directly related to the mandate and are very relevant to all countries with coastline.

8. It was decided to organize a Short Course titled ‘*Tidal Prediction and Land Subsidence Prevention and Reclamation*’ in 2022 at National Cheng Kung University, Taiwan. The meeting confirmed that the short course which requires physical presence will be held in Taiwan. The meeting decided that this short course will now be scheduled for 2023 after the 74th IEC Meeting (i.e. after April 2023). Chair will update on the ‘background note’ along with draft program (date/time) of the short course or training program at the next WG meetings.

WG-SDTA Minutes Item 3.3: Side Event of the Working Group on SDTA in 2023

9. The Side Event of the WG for the next IEC meetings would be a continuation of the International Workshop as held in Adelaide since many papers were yet to be presented.

WG-SDTA Minutes Item 3.4: Web-based seminars and e-Discussions

10. Web-based seminars and e-Discussions will be held in conjunction with the virtual WG meetings. It will be a good opportunity to discuss papers in preparation. These can then be expanded when the WG meeting is held physically in the next year.

WG-SDTA Minutes Item 4: Ground Water and the Land Subsidence on the Coastal Areas

11. The topic is still relevant and will be continued as themes for future papers.

WG-SDTA Minutes Item 5: Dissemination of activities of WG

12. All members are encouraged to host webinars and contribute related material to the website.

WG-SDTA Minutes Item 6: Updating Multilingual Technical Dictionary (MTD)

13. The Multilingual Technical Dictionary must be properly introduced to new members because not many know how to contribute and if templates are available. WG requests that the task force or working group responsible for MTD clearly outline how WGs should contribute.

WG-SDTA Minutes Item 7: A format for the 2-page ‘Country Note’ – Sustainable Development of Tidal Areas

14. Chinese Taipei Committee (CTCID), Malaysia, Indonesia, Japan and Korea have reportedly submitted their country reports. The Chair will follow-up this issue with Central Office.

WG-SDTA Minutes Item 8: Any other business

15. Members are again reminded to update their info in the ICID Members' Profile Section.

16. All NCs are requested to update their info in the Register on “World Irrigation and Drainage Schemes (WI&DS)”.

17. Meeting concludes with Chair and Vice-Chair thanking all participants.



**MINUTES FOR THE 6TH MEETING OF THE
WORKING GROUP ON MANAGING WATER SCARCITY UNDER
CONFLICT DEMANDS (WG-MWSCD)**

8 October 2022, 08:45-10:30 hours (Session-I)
8 October 2022, 11:15-13:00 hours (Session-II)
Adelaide, Australia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2016

Extended in completion of the Mandate: 2023

Mandate: Collect information, knowledge and, where available, case histories on actions taken to manage water systems to accommodate a change in priority of water use or due to conflicting demands: (a) Information will be collected on three levels of water management; (i) National, (ii) area or basin; and (iii) local; (b) review and analyze information to determine any commonality; (c) prepare and present reports and/or case studies on recent development in the countries that are represented in the WG; (d) organise international workshop on the topic; and (e) prepare an overview paper on the topic for publication.

Members Present: (1) VPH Franklin E. Dimick (USA), Chairman; (2) Mr. V.C. Ballard (Australia), Vice-Chairman; (3) Dr. Mikiko Sugiura (Japan), Secretary; (4) Mr. Watchara Sujadee (Thailand); (5) Mr. Thayalam Sekaran (Malaysia) represented by Mr. Hanapi Mohamad Noor; (6) Mr. Ir. Wan Noorul Hafilah Binti Wan Ariffin (Malaysia) represented by Ms. Siti Hawa Adila Mohd Yusof.

Observer: (i) President Hon. Peter Lee (UK); (ii) Dr. Sheng-Wei Wang (Taiwan); (iii) Mr. Ting-Hua Chang (Taiwan); (iv) Mr. Chim-Hung Chen (Taiwan); (v) Mr. Katsuhiko Yamauchi (Japan); and (vi) Ing. Pat Jablansky (USA).

Website: http://icid-ciid.org/inner_page/110

WG-MWSCD Minutes Item 1: Action Taken Report by Chair

1. VPH Franklin E. Dimick (USA), Chairman of the WG welcomed all the members and presented a report on the actions taken on the decisions taken at the virtual meeting in Morocco in November 2021 and the virtual meeting held in August 2022.
2. WG reviewed the membership nominations received from Pakistan National Committee on Irrigation and Drainage (PANCID) and Malaysian National Committee on Irrigation and Drainage (MANCID). Mr. Zafar Iqbal (Pakistan) was not present but had been approved for membership at the last virtual meeting where he was present and Mr. Thayalam Sekaran and Ir. Wan Noorul Hafilah Binti Wan Ariffin from Malaysia were represented by proxy. Mr. Sekaram and Mr. Ariffin were accepted as Provisional Members.
3. Dr. Mikiko Sugiura of Japan was appointed as Secretary of the Working Group. Membership status of the WG is given in **Annex 3 (page 29)**.

WG-MWSCD Minutes Item 2: Brief of the virtual meeting organized in August 2022

4. Chair of the WG provided a brief report of the first virtual meeting of the group by mentioning what actions were taken and what assignments were made. Chair also briefed the WG members on the status of the international workshop of the WG held on 03 October 2022 at Adelaide, Australia. The minutes of the first virtual meeting of the WG-MWSCD can be accessed at: https://icid-ciid.org/icid_data_web/min_mwscd_webmeeting5Aug2022.pdf
5. Regarding the future of the WG, President Hon. Peter Lee (UK) asked about the prospects for the WG, and VPH Franklin E. Dimick (USA) expressed that continuing the awareness of the issues regardless of the format is a possibility. He also touched on the changing priorities in water use objectives, the involvement of local people, the positioning of technology and modernization, and the importance of cooperation.
6. Mr. Katsuhiko Yamauchi (Japan), observer, pointed out the high significance of this WG and insisted that it would be desirable to share information in a tangible form as the contribution of engineers. In response, VPH Franklin E. Dimick (USA) noted that two reports, a comprehensive and an excerpted version, would be made. At the same time, ways in which engineers can contribute to trans-disciplinary water issues were discussed.

WG-MWSCD Minutes Item 3: Road Map to ICID Vision 2030: Status of activities on Managing Water Scarcity under Conflict Demands

7. The action plan of the WG based on the mandate (revised roadmap to ICID Vision 2030) was discussed and confirmed at the last meeting. In this regard, WG plans to issue a technical paper in 2023 and conclude its activities as WG-MWSCD.

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

8. WG Chair discussed the need for all WG members to help on the updating of the Multilingual Technical Dictionary (MTD) by submitting words and phrases that could be used in the dictionary. Chair suggested the WG members to look at the dictionary terms and see if there are word definitions that need updating.

WG-MWSCD Minutes Item 5: International Workshop on ‘Managing on the Regional, State or Local Level, Water Scarcity Resulting from Conflicting Demands, October 2022, Adelaide, Australia

9. An International Workshop on ‘Managing, on the Regional, State or Local Level, Water Scarcity Resulting from Conflicting Demands’ was held on 03 October 2022 at Adelaide, Australia. Chair reported that 35 abstracts were received and reviewed. In this regard, 12 authors were requested to share their full-length papers for the WG workshop, in which only 7 authors have prepared full length papers of the WG workshop.

10. Mr. Clarke Ballard (Australia), Vice Chairman of the WG gave a very comprehensive summary of the seven papers (one from Indonesia, four from India, one from Japan, and one from the US) prepared for the workshop. He summarized the five presentations made in the workshop and the two that were not presented (*one unable to travel to the workshop and one absent due to illness*). It was noted that all presentations shared or suggested a response to climate change, the need for a collaborative approach, and the potential for a bottom-up approach.

WG-MWSCD Minutes Item 6: Status of draft indices and guidelines

11. In the past meeting of the WG, it was agreed that draft indices, guidelines and technical summary reports of the group will be completed in 2022 and finalized in 2023 based on the mandate of the group. Chair of the WG updated the progress in the matter during WG meeting. Draft indices prepared by Mr. Amali Abraham Amali of Nigeria have been circulated to WG members for comments/suggestions, if any. ICID President Ragab Ragab (UK), who is a member of the working group provided additional draft indices and made other suggestions. The draft indices will be put into final form and circulated to WG members for final comments.

12. The draft guidelines were being prepared by Mr. Zafar Iqbal (Pakistan) for circulation prior to this meeting but the severe flooding in Pakistan earlier this year has occupied his time so that he was unable to complete the drafting to the guidelines. He will submit those draft guidelines later this year and they will be circulated to the WG members for comments.

WG-MWSCD Minutes Item 7: Exchange of Information, Knowledge & Networking**WG-MWSCD Minutes Item 7.1: Website of the WG**

13. The WG discussed about the updating website of the group and Chair has requested the members to contribute interesting articles etc. for uploading on the WG website.

WG-MWSCD Minutes Item 7.2: Webinar/ Web-based Seminar

14. The group discussed the organization of web-based seminars/ e-discussion that were held last year and Chair indicated that the WG would like to have at least two additional web-based seminars this coming year.

WG-MWSCD Minutes Item 8: Any other business**WG-MWSCD Minutes Item 8.1: ICID Members' Profile Section**

15. Chair informed that all WG members should check their profiles on the website and make sure their data is up to date.

WG-MWSCD Minutes Item 8.2: Register on World Irrigation and Drainage Schemes (WI&DS)

16. Chair informed the members of the register on World Irrigation and Drainage Schemes (WI&DS) and they should work with their National Committees to provide data on irrigation schemes to add to the register. It will be a very valuable tool for all people throughout the world.



**MINUTES OF THE 7TH MEETING OF THE
WORKING GROUP ON CLIMATE CHANGE AND
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**

07 October 2022, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2015

Extended the completion of the Mandate: 2023

Mandate: (a) To share the information about the prediction of the global and regional climate change and climate variability; (b) To explore and analyse the implications of climate change and climate variability for agricultural water management including irrigation, drainage, and flood control; (c) To promote archiving useful information and case studies on climate change for practical use in improved impact assessment and adaptation development; (d) To enhance discussion on climate change and water management at national and regional scales among the stakeholders including academician, practitioners, decision makers, media as well as farmers and water users in a region; and (e) To join the international dialogue on Climate change and water management.

Members present: (1) Dr. Ray Shyan Wu, Chairman (Chinese Taipei Committee); (2) Dr. Jih-Shun, Liu (Chinese Taipei Committee); (3) Mr. Sunil Kumar (India); (4) Dr. Nozar Ghahreman (Iran); (5) Mr. Tikaram Baral (Nepal); (6) Prof. Sue Walker (South Africa); (7) VP Prof. Dr. Choi, Jin-Yong (South Korea); (8) Ir. Wan Noorul Hafilah Binti Wan Ariffin represented by Mukhlis Bin Zainol Abidin (Malaysia).

Observer: VP Dr. Tsugihiko Watanabe (Japan)

Office Bearer Hon.: VPH Mochammad Amron (Indonesia)

Observers: (1) Hakibu M. Tanko (Canada); (2) Chung Feng Ding (Chinese Taipei Committee); (3) Mr. Chih-Sheng Chen (Chinese Taipei Committee); (4) Jih-Shun Liu (Chinese Taipei Committee); (5) Dr. Sheng-Wei Wang (Chinese Taipei Committee); (6) Jen-Yao Wu (Chinese Taipei Committee); (7) Hwa-Lung Yu (Chinese Taipei Committee); (8) Chun-Hung Chu (Chinese Taipei Committee); (9) Ming-Yi Chen (Chinese Taipei Committee); (10) Yang Te Chuan (Chinese Taipei Committee); (11) Han-Jung Huang (Chinese Taipei Committee); (12) Dr. Revalin Herdianto (Indonesia); (13) Budi Wignyosukarto (Indonesia); (14) Foyya Yusuf Aquino (Indonesia); (15) Diyana Aslan (Malaysia); (16) Waseem Nazir (Pakistan); (17) Ms. Mona Liza F. Delos Reyes (Philippines).

Meeting attended virtually: (i) Dr. Fuqiang Tian, Vice Chair (China); (ii) Dr. Waleed Hassan M. Abou El Hassan, Secretary (Egypt); (iii) Dr. Anton Urfels, Director Member (Germany); (iv) Mr. Atin Kumar Tyagi, Direct Member, Jain Irrigation Systems Ltd. (India).

Website: https://icid-ciid.org/inner_page/111

WG-CLIMATE Minutes Item 1. Action taken report by Chair

1. Chair Dr. Ray Shyan Wu welcomed all participants in the meeting and presented the report on the action taken on the decisions and proposals of the working group at its meeting held in November 2021.
2. The group reviewed the nomination of Dr. Amani Alfarra (Canada), Ir. Wan Noorul Hafilah Binti Wan Ariffin (Malaysia), and Engr. Ghulam Zakir Hassan Sial (Pakistan) for the membership of the group. Only one member, Ir. Wan Noorul Hafilah Binti Wan Ariffin (Malaysia) attended the working group and made a brief introduction by herself. The nomination of Ir. Wan Noorul Hafilah Binti Wan Ariffin was accepted as Member while the other two members were accepted as Provisional Members. Membership status is given in **Annex 3 (page 29)**.

WG-CLIMATE Minutes Item 2. Road Map to ICID Vision 2030 – Status of activities on climate change and agricultural water management

3. The group reviewed the Action Plan of the Road Map to ICID Vision 2030 and confirmed the expected Goals under the Action Plan (refer to **Annex**). According to the publication plan, the group agreed to deliver a document titled “Guide to Innovated Irrigation and Drainage Management under the Changing Climate” ranging between 100 and 200 pages, which focuses on irrigation and drainage in climate change.

WG-CLIMATE Minutes Item 2.1: Work Plan of the group

4. Chair informed the group members that the 72nd International Executive Council (IEC) vide its Resolution IEC 2/72 had approved the extension of WG till 2023. With the approval of 2 years extension of the working group, any suggestions of the possible contributions to future issues relating to the Sixth Assessment Report (AR6) will be encouraged.

WG-CLIMATE Minutes Item 2.2: Publication of the outcomes of the WG

5. The group noted that during 2021 meeting, all the WG members were invited to contribute to the publication "Guide to Innovated Irrigation and Drainage Management under the Changing Climate". The Chair sent the guidelines to all the members and requested more attribution. However, there was little progress on the book. WG Chair requested every member of the WG to contribute to the publication and take responsibility for the task and a certain delivery.

6. The Chair sent the working plan related to the promised work for the book after the virtual meeting again in June 2022. Each chapter has been defined as well as the responsible members for the inputs have been identified. Some members suggested that the book should increase more case studies from different countries. The chair encouraged more developing countries and young professionals to submit case studies (maximum 10 pages). The chair will share case studies examples to the WG members. In addition, Prof. Sue Walker will invite more scholars from African countries to contribute case studies. The editors of each chapter were arranged as follows:

- Chapter I:** General Introduction (Sue Walker), under 20 pages
- Chapter II:** Impacts of climate change on agricultural water management (Nozar Ghahreman), 30 pages
- Chapter III:** Adaptation to changing climate in agricultural water management (Ashish Pandey, Waleed Hassan), 30 pages
- Chapter IV:** Smart water management against the climate change (Takanori Nagano, Jih-Shun Liu), 30 pages
- Chapter V:** Case studies on climate change impact on agricultural water management and adaptation (Ray-Shyan Wu, Fiaz Hussain), each case study should be concise in 10 pages. The contribution of each member in this chapter is also highly expected
- Chapter VI:** Conclusion - Guide to Innovated Irrigation and Drainage Management under the Changing Climate (to be decided)

7. The Chair requested responsible members to finish their first draft within three months and share the same with the Chair well in time.

WG-CLIMATE Minutes Item 3. Exchange of information, knowledge & networking

8. The ICID Central Office requested every working group to organize meetings regularly each year and after deliberation, WG agreed to hold four meetings in 2023.

WG-CLIMATE Minutes Item 4. Website of the WG

9. The group noted that Dr. Fuqiang Tian, the head of the WG Website Managing Team, shared members' CVs, group photos of 3 meetings, workshop materials, and publications – published and non-published for the website update. At the Adelaide meeting, Chair Dr. Wu thanked Dr. Tian for his effort and requested to continue the work of improving the WG website. The chair also encouraged members to share their ideas about the website and give feedback to Dr. Tian.

WG-CLIMATE Minutes Item 4.1: Webinar/Web-based seminar

10. The WG discussed the progress of organizing the Webinar at the meeting and proposed that the topic of the webinar will be decided soon.

WG-CLIMATE Minutes Item 5. Updating Multilingual Technical Dictionary (MTD)

11. At the Adelaide meeting, Dr. Watanabe, Vice President of ICID, informed that the Multilingual Technical Dictionary (MTD) will become a useful tool that can be worked on the CLOUD. He also suggested that WG can contribute to the theme of "climate change on agricultural water management".

WG-CLIMATE Minutes Item 6. Any other business

12. **ICID Members' Profile Section:** The group noted that as a new initiative, ICID had launched a new website (<https://icid-cid.org>) as part of ICID's 70th Anniversary Celebration to meet the new web technologies. ICID Central

Office 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 were encouraged to review and update their information using their credentials and help ICID Central Office to maintain accurate information.

13. **Register on World Irrigation and Drainage Schemes (WI&DS):** WG also noted ICID's 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 National Committee/ ICID Central Office for inclusion are entitled to Certification. Chair encouraged members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.

14. **25th International Congress on Irrigation and Drainage:** The WG will organize a workshop with other working groups, such as Environment, during the 75th IEC and 25th ICID Congress in India in November 2023.

15. Chair Dr. Ray Shyan Wu expressed his gratitude toward CTCID Deputy Secretary General Tony Chih-Sheng Chen for recording this meeting and preparing the minutes.



Annex [Appendix XIV, Item 2]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-CLIMATE

| Goal/ Strategies | Activities | Outcomes / Outputs | Milestone for Year 2017 | Milestone for Year 2018 | Milestone for Year 2019 | Milestone for Year 2020 | Milestone for Year 2021 | Milestone for Year 2022 | Milestone for Year 2023 |
|---|--|---|--|---|---|---|------------------------------------|------------------------------------|-------------------------|
| Goal B: Be a catalyst for change in policies and practices | | | | | | | | | |
| B2. Strategy: Promoting Risk Management Approaches | | | | | | | | | |
| B3. Strategy: Integrated irrigation and drainage management | 3.2 Organize the introduction of the cases to be applied to other regions | Compilation of Cases | 2 Case Studies in the humid region (introduction in WG Meeting) | 2 Case Studies in arid/semi-arid region (introduction in WG Meeting) | 2 Case Studies on unique examples (introduction in WG Meeting) | Extra Case Studies and comparison of the cases (introduction in WG Meeting) | Integration to conclude in general | | |
| B6. Strategy: Helping development of climate change adaptation strategy | 6.1 Develop Guideline for Water Management Practices under Changing Climate | Guidelines | General policy and table of contents are decided | The first draft of the core parts | Release the First Draft Guidelines in WIF3 | | | Release the Final Draft Guidelines | |
| | 6.2 Prepare Position Paper on Smart Water Management for Mitigating Climate Change | Position Paper | 2nd Workshop on Post Paris 2015 | 3rd Workshop on Post Paris 2015 | Discuss in a Side Event and Release the Draft in WIF3 | | | | |
| | 6.3 Develop a position paper on adaptation to climate change | Position Paper | Communication with International Organizations | Communication with International Organizations | Release the First Draft Paper in WIF3 | | | Release the Final Draft | |
| Goal D: Enable cross disciplinary and inter-sectoral engagement | | | | | | | | | |
| D2. Strategy: Develop technical documents in non-technical language | 2.1 Integrated Assessment of Climate Change Impacts | Brief Guidelines with Compilation of Case Studies | 2 Case Studies with a focus on technical background and uncertainty (introduction in WG Meeting) | 2 Case Studies with the previous year's focus plus economic and social aspects (introduction in WG Meeting) | 2 Case Studies with the previous year's focus plus financial and institutional arrangement (introduction in WG Meeting) and Introduction of state-of-the-art methodologies and their outcomes in WIF3 | 2 Case Studies with the previous year's focus plus interest groups (introduction in WG Meeting) | Release the Brochure | | |

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



**MINUTES OF THE 4TH MEETING OF THE
WORKING GROUP ON ADAPTIVE FLOOD MANAGEMENT (WG-AFM)**

7 October 2022, 08:45-10:30 Hours (Session-I)
7 October 2022, 11:15-13:00 Hours (Session-II)
Adelaide, Australia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2018

Completion of the Mandate: 2024

New Mandate of the WG:

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups,
- (b) To provide guidance to compile, publish, update and/or translate documents on adaptive flood management.
- (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic for proper understanding of the technological developments in the subject.
- (d) To organize seminars at ICID Congresses and meeting to enhance deeper understanding of adaptation to floods and coping with floods including community participation with focus on impact of floods on agriculture water management.
- (e) To prepare a paper on “Adaptive Flood Management” for publication in Irrigation and Drainage (IRD);
- (f) To finalize a book on ‘Adaptive Flood Management’

Members Present: (1) Engr Ahmad bin Darus (Malaysia) Acting Chairman; (2) Engr. Waseem Nazir (Pakistan); (3) Dr. Arthon Suttigam (Thailand); (4) Dr. Akie Mukai (Japan); (5) Dr. Hiroki Minakawa (Japan); and (6) Dato Ir. Mohd Azmi Bin Ismail (Malaysia); and (7) Mr. Rajnikant Agrawal (India) represented by Mr. Amit Gupta.

Observers: (i) Vice President Ir. Nor Hisham Ghazali (Malaysia); (ii) Engr. Budi Wignyasukarto (Indonesia); (iii) Ir. Mohd Adnan Ahmad Fauzi (Malaysia); (iv) Dr. Ahmad Anuar Bin Othman (Malaysia); (v) Prof. Jing Yong Chui (Republic of Korea); and (v) Engr. Monaliza F Delos Reyes (Philippines);

Website: http://icid-ciid.org/inner_page/112

WG-AFM Minutes Item 1. Action Taken Report by Chair

1. Engr. Ahmad bin Darus from Malaysia acted as Acting Chairman for this meeting in the absence of VPH Dr. Kamran Emami (Iran), Chairman and Ms. Sahar Norouzi (Iran) Secretary of the Working on Adaptive Flood Management (WG-AFM). Engr. Darus welcomed all the members and presented report on the actions taken on the decisions made during the last meeting held in November 2021 at Marrakesh, Morocco. Due to absence of Chairman and Secretary of the group, Engr. Darus decided to discuss few items for the WG meeting.
2. WG reviewed the new nominations i.e., Mr. Muhammad Ejaz Tanveer (Pakistan) and Ir. Zhu Haidong (China) for the membership of the WG. Since Mr. Muhammad Ejaz Tanveer (Pakistan) and Ir. Zhu Haidong (China) were not present in the meeting, so their membership was accepted provisionally. Membership status is given in **Annex 3 (page 29)**.

WG-AFM Minutes Item 2. Road Map to ICID Vision 2030 – Activities of the WG

3. The group could not discuss this item during the WG meeting.

WG-AFM Minutes Item 3. Publication of the Working Group on ‘Adaptive Flood Risk Management’

4. The group could not discuss this item during the WG meeting.

WG-AFM Minutes Item 4. International Workshop on Adaptive Flood Risk Management

5. The group could not discuss this item during the WG meeting.

WG-AFM Minutes Item 5. Closure Report of the erstwhile WG-CAFM

6. The group could not discuss this item during the WG meeting.

WG-AFM Minutes Item 6. Updating Multilingual Technical Dictionary (MTD)

7. WG could not discuss this item during the WG meeting at Marrakech.

WG-AFM Minutes Item 7. Dissemination of information – Website**WG-AFM Agenda Item 7.1: Website of the WG**

8. Members of the group were requested to share the presentations and documentaries on floods to the ICID Central Office for uploading on the WG website.

WG-AFM Agenda Item 7.2: Webinar / Web-based Seminar

9. The group agreed that webinars would be held every 4 months as part of the activities of the group. The members are encouraged to prepare and deliver presentations at the next online meeting of the WG.

WG-AFM Minutes Item 8. Presentation on Floods (Country Case Studies)

10. Chair informed that WG has received 1 presentation paper from Mr. Amit Gupta (India). The country paper covers the flood situation in the host country, major flood events in the past with focus on recent floods in the country.

WG-AFM Minutes Item 9. Any other business

11. The group noted the information on ICID Members' Profile Section and Chair invited Members to visit the Profile Section for updating their information.

12. The members of the WG are encouraged to share appropriate data in the context of 'Register on World Irrigation and Drainage Schemes (WI&DS).



**MINUTES OF THE 4TH MEETING OF THE
WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**

08 October 2022, 09:00-10:45 hours (Session I) and 11:15-13:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate: (a) to develop and strengthen the network among the countries of transition on the basis of establishment of monitoring and evaluation of common problems in the States and bring it to the attention of decision-makers in states; (b) to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population; especially related to climate change and ability to adapt to it; (c) to promote implementation of IWRM and broad-basing of stakeholders by popularizing the case studies and best practices explaining the real content of IWRM principles; (d) to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Lake Chad, Lake Victoria, Caspian Sea), rivers deltas, salinization and water logging, land desertification etc.; (e) to collect appropriate advance irrigation and drainage technology for use in transition states and its dissemination through capacity building; to promote involvement young specialists as providers of these innovations; pay specific attention to use of RS technology in I&D; (f) to promote farmer's and WUAs training to create awareness about agricultural water management; (g) to increase the efficiency and functioning of the WG, intensify collaboration with other countries to share best practices and experience for development of irrigation and drainage in the States under socio-economic transformation.

Members present: (1) Mr. Momir Vranes (Australia); (2) Dr. (Ms.) Ya-Wen Chiueh (Chinese Taipei Committee); (3) VPH Dr. Mohamed Wahba (Egypt); (4) Mr. Rajni Kant Agrawal, Director Member, WAPCOS (India) represented by Mr. Amit Gupta; (5) Dr. Katsuyuki Shimizu (Japan); (6) Mr. Rafaquat Ali (Pakistan) represented by Vice President Hon. Waseem Nazir.

New Nomination: Dr. Usman Khalid Awan (Pakistan) represented by Vice President Hon. Waseem Nazir.

Observers: (i) Mr. Taku Mori (Japan); (ii) Dr. Shinji Fukuda (Japan); (iii) Dr. Daisuke Imamura (Japan); (iv) Ir. Mukhlis Bin Zainol Abidin (Malaysia); (v) Mr. Rauf Yuldashev (Tajikistan).

Website: http://icid-ciid.org/inner_page/114

WG-IDSST Minutes Item 1. Action taken report by Chair

1. Dr. Mohamed Wahba chaired the meeting and welcomed the attendances and conveyed the greetings of the chair and co-chair who could not attend the meeting.
2. Dr. Wahba informed that the Pakistan National Committee (PANCID) nominated Dr. Usman Khalid Awan for membership of the group, but unfortunately, he did not attend the meeting, however, represented by Vice President Hon. Waseem Nazir so his membership was accepted as 'Provisional Member'. Membership status is given in **Annex 3 (page 29)**
3. Dr. Wahba discussed in brief with the WG the mandate of the WG, the two main goals A and B, and requested the members to contribute and suggest more activities.

WG-IDSST Minutes Item 2. Brief of the virtual meeting organized in May 2022

4. Dr. Wahba informed the group about the two presentations made during the virtual meeting held in May 2022, the first made on "The Role of Agricultural Drainage and the Challenges it faces in Africa" by Dr. Mohamed Wahba, who raised questions about the importance of drainage for agricultural development in Africa and Egypt. The second presentation was made by Dr. Shukhrat Mukhamedjanov from Uzbekistan on "Integrated Water Resources Management in Central Asia: Challenges, Experiences, and Achievements". ICID President Dr. Ragab Ragab noted the importance of drainage in irrigated agriculture, as well as water diversion during floods that lead to the

spread of malaria from mosquitoes. During the Adelaide meeting, Mr. Momir Vranes (Australia) made an interesting presentation about Australian water policy in 2008.

WG-IDSST Minutes Item 3. Road Map to ICID Vision 2030 – Activities in the States under socio economic transformation

5. The Working Group discussed the Road Map and considered “Goal A: Enable higher crop productivity with less water and energy” and “Goal B: Be a catalyst for change in policies and practices”. These goals were partially met (refer to **Annex 1**) at the Adelaide meeting, Dr. Wahba informed the group that more actions are needed in this important issue and requested the Chair and Vice chair to take action on these important activities.

6. Procuring higher productivity of irrigated lands while using less water and energy is one of the most important issues for areas with high levels of water scarcity. And this issue is especially important for countries that are experiencing changes in the economy and politics. Many countries with economic transformation are restructuring water and land management structures in the agricultural and water sectors. For the most part, these countries want to adopt the successful policies and approaches of those countries that have effective systems and structures in these areas. For WG-IDSST, the developed countries in these matters are Australia, Egypt, and Japan. In other countries, attractive approaches are used such as Israel, Korea, China, and other countries. Members of the group are invited to study the experience of their countries and prepare an overview of positive approaches and technologies for exchange with other countries. If such experience is available in the ICID database, it is necessary to conduct a review and selection of such material and share it with the members of the working group. The same applies to the second question “Goal B: Become a catalyst for change in policy and practice” as these two goals are interrelated. For the next meeting of the working group, Sh. Mukhamedjanov will prepare material on these two issues for the countries of Central Asia.

WG-IDSST Minutes Item 4. Discuss and develop a work plan based on the new mandate

7. WG discussed the work plan of the WG and proposed to pay more attention to the development of information exchange, which is a common task in the work plan of the WG (refer **Annex 2**). Dr. Wahba requested the Chair and Vice chair to take action on these important activities.

8. The new mandate of the WG had reckoned, to involve developed countries in the working group for the exchange and possible use of their successful experience and technologies. The Working Group has discussed these issues at all previous meetings. The best practices of Egypt and Australia were heard and discussed. At the meeting in Mexico, a participant from Korea provided a report on new technologies in irrigation and drainage. However, this is still not sufficient, and a more extended review and discussion of issues are needed. The most important in this regard is the discussion of issues included in the new mandate of the WG: drawing global and national attention to existing trends, especially those related to climate change in states undergoing socio-economic transformations; a review of existing research and information on the environmental situation, including closed basins, rivers, deltas, saline, and wetlands; support for farms and WUAs in the distribution and use of irrigation water. These issues are the focus of discussion in our subsequent meetings. The experience of each country will be interesting while discussing these issues.

WG-IDSST Minutes Item 4.1: Develop and strengthen the network among the transition states

9. The group noted that during the virtual meeting on 26 May 2022, Dr. Sh. Mukhamedjanov listed in detail the opening of a dedicated WG-IDSST window in CAWater-info. Members of the WG-IDSST agreed to host the CAWater-info website for the exchange of information between countries. During the Adelaide meeting, the WG discussed the issue to develop this website and the possibility of opening a window/ platform on the website for the exchange of opinions however, more actions are needed on this issue.

WG-IDSST Minutes Item 4.2: Database of I&D in the states in transition

10. WG noted that during the virtual meeting on May 26, the meeting participants agreed that each country will collect material regarding experience, and good practices, as well as assessments of the current irrigation and drainage situation in the countries. This material will be posted on the CAWATER-Info website for public access.

11. Dr. Wahba discussed with the WG and raised this action to the Chair and Vice chair to take action on this important issue. All members of the working group were encouraged to prepare inputs on experiences, best practices, and assessments of the current situation in irrigation and drainage in their countries. It is also desirable to

highlight what the problems were before the decision was made. It was proposed to prepare the materials before April and send them by e-mail to all members of the working group and to the Central Office of ICID. The WG leadership will place this material on the CAWater-info website.

WG-IDSST Minutes Item 4.3: Case studies and best practices of IWRM

12. As requested, Dr. Katsuyuki Shimizu (Japan) and Dr. Ya-Wen Chiueh (Chinese Taipei Committee) made an interesting presentation about experiences from their countries. During the meeting, the following 3 Presentations were made:

- (a) The Evolution of Irrigation Organization in Taiwan Under Socio-Economics Transformation – by Yawen Chiueh - Professor, National Tsing Hua University – CTCID (Chinese Taipei Committee)
- (b) JICA Knowledge Co-Creation Program Appropriate Management of Land and Water Resources for Sustainable Agriculture in Arid and Semi-arid Regions - by Katsuyuki Shimizu - Leader, TU-JICA training program - Faculty of Agriculture, Tottori University (Japan)
- (c) An example of IWRM - Kagawa Canal Project - by Katsuyuki Shimizu – JNCID (Japan)

WG-IDSST Minutes Item 4.4: Monitor and evaluate the ecological parameter in transition countries

13. Dr. Wahba informed the members about the WB project in Cambodia and India and presented during the conference about using RS with a simple questionnaire to farmers, engineers, communities, and authorities for assessment evaluation of existing irrigation and drainage. These tools are simple, easily available, and very useful and for those reasons, Dr. Wahba recommended applying in other countries.

WG-IDSST Minutes Item 4.5: Capacity building in transition countries

14. At Adelaide meeting, Dr. Wahba informed the group about the achievements in AFRWG and Af-YWP-Forum and recommended following and doing similar activities in other regions for young professionals. Also, Dr. Wahba suggested to consider CB&D of farmers and women as important partners of IWRM and informed the group that he is keen to give any required support.

WG-IDSST Minutes Item 5. Any other business

15. Dr. Wahba informed the WG members about the new initiative of ICID providing WG members to access their profile section using their dedicated account. He gave notice about the importance of assessing Members' profiles for reviewing and continuously updating their respective information.

16. Also Dr. Wahba shared a brief with the WG about ICID's 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 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 Command Area can submit their information for inclusion in the register. Dr. Wahba encouraged WG members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details are outlined on the portal <<https://wip.icidevents.org/>> in detail.



Annex 1 [Appendix XVI, Item 3]

ROAD MAP TO ICID VISION 2030 - ACTIVITIES OF WORKBODIES

| 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 | Responsibility |
|--|---|--|--|---|---|-------------------------------|-------------------------------|-------------------------------|----------------|
| Goal A: Enable higher crop productivity with less water and energy | | | | | | | | | |
| | The Development of drip irrigation systems and technologies in countries. Irrigation and water use efficiency in small-scale farms | Widespread adoption of water- saving technologies in countries Countries experience on methods and approaches for effective irrigation on small farms | | 1. Overview of water-saving technologies in countries. 2. Exchange of experience 1. Overview of experience on methods and approaches for effective irrigation on small farms in countries. 2. Exchange of experience | Methods and tools to reduce unproductive losses in irrigation. Assessment of water availability in Central Asia based on WUEMOCA Methods and approaches for effective irrigation on small farms | | | | |
| Goal B: Be a catalyst for change in policies and practices | | | | | | | | | |
| | Publication | Technical paper | A review of the experience of leading countries in the effective management of water resources | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | | | | | |
| Goal C: Facilitate exchange of information, knowledge and technology | | | | | | | | | |
| C1. Strategy: Providing Knowledge-sharing Platform for AWM Professionals | 3.1 Develop and strengthen the network | Establishment of communication between countries on the rapid exchange of information Web- Portal organization. | | Exchange of experience between countries on the effective management of water resources | Exchange of experience between countries on methods and tools to reduce unproductive losses in irrigation. | | | | |
| | 3.2 Database on irrigation and drainage in the countries of transition | Database on irrigation and drainage in the countries of transition | | | | | | | |
| Goal E: Encourage research and support development of tools to extend innovation into field practices | | | | | | | | | |
| | 5.1 Interaction between countries in studies of | Introduction of remote sensing and remote control of water | | Research and exchange of experience between | Research and exchange of experience between | | | | |

| 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 | Responsibility |
|--|--|------------------------------------|-------------------------------|---|---|-------------------------------|-------------------------------|-------------------------------|----------------|
| | remote monitoring of water resources and water use | use and water resources management | | countries in the widespread introduction of remote sensing in monitoring water metering at water bodies | countries in the widespread introduction of remote sensing in monitoring irrigated fields and crops | | | | |
| Goal F: Facilitate capacity development | | | | | | | | | |
| F3. Strategy: Technical Training of Young Professionals from Member Countries | Organize training Workshop | Training Workshop | Organize Training Workshop | | Organize Training Workshop | | | | |



Annex 2 [Appendix XVI, Item 4]

WG-IDSST WORK PLAN

| Activity | Outcomes/ Outputs | 2020 | 2021 | 2022 | 2023 | 2024 |
|--|--|---|--|---|------|------|
| (a) to develop and strengthen the network among the countries of transition on the basis of establishment of monitoring and evaluation of common problems in the States and bring it to the attention of decision-makers in states; | Created Web-Portal for continuous communication between countries | 1. Based on the Web Sit CAWATER.Info http://cawater-info.net/water_world/index.htm create an ICID window, WG IDSST. 2. Exchange of information on monitoring and evaluation of common problems. | Web Portal Development | Web Portal Development | | |
| (b) to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population; especially related to climate change and ability to adapt to it; | A database was created based on the CAWATER.Info Portal http://cawater-info.net/water_world/index.htm | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. 2. Information in countries in irrigation and drainage due to climate change. | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. 2. Information in countries on adaptation of irrigation and drainage and agriculture to climate change. | 1. Exchange of experience and information between countries on changing situations in irrigation and drainage in countries. | | |
| (c) to promote implementation of IWRM and broad-basing of stakeholders by popularizing the case studies and best practices explaining the real content of IWRM principles; | Publication | Widespread adoption of IWRM principles in countries | Overview of countries' experiences in implementing IWRM | Obstacles in countries in implementing IWRM | | |
| (d) to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Lake Chad, Lake Victoria, Caspian Sea), rivers deltas, salinization and water logging, land desertification etc.; | Overview of environmental monitoring results in countries, including closed basins problems | Collection of monitoring information and facilitate in their implementation | 2. Exchange of experience | 2. Exchange of experience and decision | | |
| (e) to collect appropriate advance irrigation and drainage technology for use in transition states and its dissemination through capacity building; to promote involvement young specialists as providers of these innovations; pay specific attention to use of RS technology in I&D; | Countries have access to information from other countries through the Web-portal on advanced technologies in irrigation and drainage. Young professionals trained to spread innovation | Overview of advanced water-saving technologies and remote sensing tools in countries | 2. Exchange of experience | Overview of scientific advances in countries to reduce unproductive losses in irrigation. | | |

| Activity | Outcomes/ Outputs | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|--|------|------|
| (f) to promote farmer's and WUAs training to create awareness about agricultural water management; | Training materials and modules prepared for farmers and WUAs in countries | A review of existing methods, approaches, technologies that allow effective management of irrigation water at the level of WUA farms. | 2. Exchange of experience | Preparation of training modules from each country for training farmers and WUAs on advanced water use technologies | | |
| (g) to increase the efficiency and functioning of the WG, intensify collaboration with other countries to share best practices and experience for development of irrigation and drainage in the States under socio-economic transformation. | Develop and strengthen the network | Establishment of communication between countries on the rapid exchange of information Web- Portal organization. | Exchange of experience between countries on the effective management of water resources | Exchange of experience between countries on methods and tools to reduce unproductive losses in irrigation. | | |



**MINUTES OF THE 2ND MEETING OF THE
WORKING GROUP ON WATER FOOD ENERGY NEXUS (WG-WFE_N)**

7 October 2022, 11:15-13:00 Hours (Session-I)
7 October 2022, 14:00-15:45 Hours (Session-II)
Adelaide, Australia

Strategy Theme: Basin

Presented by the Chairman

Year of Establishment: 2019

Completion of the Mandate: 2025

Mandate (New):

- (a) to exchange information, knowledge, and experience, as well as networking on the Water-Food-Energy Nexus topic in order to be up to date with new developments, methods and approaches. This can be the basis for a possible position paper on key issues on the nexus.
- (b) to prepare an overview document on the state of the art on improving water use efficiency and productivity within the nexus.
- (c) to produce a document of impact of climate change and possible use of non-conventional less water consuming crops.
- (d) to prepare an overview document on the state of the art on model applications as useful management tools for water, crops, field and energy management within the nexus.
- (e) to prepare and present reports on case studies on recent developments in the countries that are represented in the WG; and from presented cases of the workshops.
- (f) to organize international workshops, seminars or symposia on the Nexus topic.
- (g) to implement ICID 2030 vision.

Members Present: (1) President Dr. Ragab Ragab (UK), Chairman; (2) Vice President Hon. Dr. K. Yella Reddy (India), Vice-Chairman; (3) Prof. Won-Ho Nam (Korea); (4) Dr. Chung-Feng, Dina (Chinese Taipei Committee); (5) Dr. Vishnu Prasad Pandey (India); (6) Mrs. Narges Zohari (Iran); and (7) Dr. Mahdi Sarai Tabrizi (Iran).

Observers: (i) Mr. Abbas Fadhel (Iraq) represented by Eng. Nisreen Sami; (ii) Mr. Basim Tuama (Iraq) represented by Vice President Eng. Rafat Nael AbdulGhani Al-Intaki; (iii) Ir. Mukhlis Zainol Abidin (Malaysia); (iv) Dr. Watchara Suiadee (Thailand); (v) Dr. Noppadon Kowsuvon (Thailand); (vi) Engr. Jaigyasha Rai Yangkhurung (Nepal); (vii) Ir. Shinji Fukuda (Japan); (viii) Prof. Keigo Noda (Japan); (ix) Ir. Kodeti Kanaka Dorga, Young professional (India); and (x) Prof. Sylvester Mpandeli (South Africa).

Website: http://icid-ciid.org/inner_page/122

WG-WFE-N Minutes Item 1. Action Taken Report by Chair

1. The Chair welcomed the members and briefly presented the report on the actions taken on the decisions and proposals of the working group at its last meeting held in 2021 at Marrakesh, Morocco.

- (a) As decided in Morocco, the WG has organized one virtual meeting successfully and taken up initiatives for preparing a detailed road map towards achieving the objectives of WG.
- (b) For organizing the first International Workshop of WG-WFE_N at Adelaide during the 24th ICID congress, all efforts were made with the help of the Central Office.

WG-WFE-N Minutes Item 2. Review of the membership of the WG-WFE_N

2. The WG reviewed the new nominations of Iraqi National Committee of ICID (IRQCID), Chinese National Committee of ICID (CNCID), and Canadian National Committee of ICID (CANCID). The Chair informed that the physical presence of the members is required for according the approval; otherwise, any representative from that country shall present and represent on their behalf to get formal approval.

3. The Iraqi National Committee of ICID (IRQCID) nominated Mr. Abbas Fadhel & Mr. Basim Tuama (Iraq) for membership of the WG, approved as provisional members.

4. The Chinese National Committee of ICID (CNCID) and Canadian National Committee of ICID (CANCID) have nominated Ir. LIU Dongzhe (China) and Dr. Amani Alfarrar (Canada) for membership of WG. However, they were not present in the WG meeting so their membership was provisionally accepted. Membership status is given in **Annex 3 (page 29)**.

WG-WFE-N Minutes Item 2.1: Select new Vice-Chair of the WG

5. The Chair informed the members that the 1st virtual meeting of the WG was successfully held on 30 June 2022. WG selected VPH Dr. K Yella Reddy (India) and Dr. Mahdi Sarai Tabrizi (Iran) as Vice-Chairman and Secretary of the WG, respectively.

WG-WFE-N Minutes Item 2.2: A brief report of the Virtual meeting of WG in June 2022

6. A brief report of the Virtual meeting of the WG held on 30 June 2022. The minutes of this virtual meeting of the WG can be accessed at https://icid-ciid.org/icid_data_web/min_wfe-n_webmeeting30June2022.pdf.

WG-WFE-N Minutes Item 3. Three-year rolling plan based on the scoping document for a new WG-WEF_N

7. The Chair informed that in its first virtual meeting the members of WG were requested to select the area of interest as shown in the 3-year rolling plan based on the Scoping Document for a new Working Group on Nexus. During the Marrakesh meeting (2021) of the WG, Chair briefed about the importance of the WG and explained the details of the Work Plan preparation of a three-year rolling plan from 2021 to 2023. In this regard, Chair thanked the members of the WG for volunteering to be part of the various activities of the WG to achieve the desired outputs.

8. As President of ICID, Chair has also indicated that the other WGs of ICID will be encouraged to develop similar Rolling Plans of the WG. The updated activity table on the 3-year rolling plan of the WG was displayed during the meeting and requested the members who have not shared their names for taking responsibility for the 3-year rolling plan of the WG as a contributor.

WG-WFE-N Minutes Item 4. Road Map to ICID Vision 2030: Activities on Water-Food-Energy-Nexus

9. WG reviewed the activities such as Goals/Strategies, Actions, Outcomes/Outputs, Milestones, and assigning Lead Persons as part of the Road Map to ICID Vision 2030 and updated it. The updated status of the progress on the Road Map to ICID Vision 2030 of the WG was presented by the Chair. As part of the Road Map of the WG, the Chair informed that 1st International Workshop of the WG was organized successfully.

WG-WFE-N Minutes Item 5: Multi-functionality of water use in paddy (Rice) cultivation

10. The Chair informed that the WG decided to bring out a 'Technical Report' based on papers contributed by its members in areas such as – (i) efficient use of water in crop production; (ii) crop water models; (iii) multifunctional water use in paddy; and (iv) rainwater harvesting and energy crops. Further, it was noted that the report would be a consolidation of contributions and collection of information from members on these topics under the mandate of the group. In this regard, NCs of China, Indonesia, Philippines, and Italy have already made their papers for the technical report of the group. While Prof. Zeinab Hussein Behairy (Egypt); Dr. P. Soman (India), and Ir. Felipe Dantas (Australia) members of the WG have also shared their papers titled 'Rice Story in Egypt', 'Drip irrigation and fertigation technology for rice production leading to higher water productivity' and 'Australian Rice Market' as contribution based on the experience as 'multi-functionality of water use in paddy rice cultivation' for inclusion in the Technical Report of the WG. VPH Dr. Reddy, has shared the draft report on 'Water Use in Paddy Rice Cultivation in India' with the Chair and copy to ICID Central Office.

11. VPH Dr. Marco Arcieri has earlier informed that his report was at the final stages of completion and agreed to submit it by the end of July 2022. Still, it is not received, and the Chair informed that the report will be submitted in two weeks as informed by VPH Dr Marco.

12. Chair informed that he will forward the report after proper editing to the Central Office for bringing out a comprehensive report, useful to the member countries. Chair informed that the publication of the report will go as a contribution of erstwhile WG 'Water and Crop'.

WG-WFE-N Minutes Item 5. Updating Multilingual Technical Dictionary (MTD)

13. The Chair informed the importance of the Multilingual Technical Dictionary (MTD) and the efforts made so far. The new terminology like Nexus and related terms shall find a place in the MTD for use of the members for a better understanding of the concepts.

14. As an example the Chair explained in detail the difference between 'Water Use Efficiency' and 'Water Productivity'.

15. Mrs. Narges Zohrabi (Iran) member of the WG, who took the responsibility as Coordinator of the MTD of the WG has agreed to coordinate with all members and update MTD with new additions.

WG-WFE-N Minutes Item 6. International Workshop on ‘The Water-Energy-Food-Nexus: Implementation and Examples of Application’

16. As part of the Action Plan 2030, the WG organized the International Workshop of the WG-WFE_N on 04 October 2022 on the theme “The Water-Energy-Food-Nexus: Implementation and Examples of Application” and sub-themes – (i) Water-energy-food-Nexus at field, regional and country scales. Examples of applications; (ii) How the environment and ecosystem services benefit from the Nexus; (iii) Economic analysis of food production within the Nexus; (iv) Management practices that promote the Nexus; and (v) Institutional and Governance issues in implementing the Nexus.

17. The Chair informed that total of 9 papers were presented in the international workshop of the WG which was a huge success. The authors have taken up various concepts to **quantify the elements of Nexus** and presented them well. The Chair has appreciated the efforts made by all the authors in preparing papers and presenting them in the Workshop. The proceeding of the Workshop is now available at the WG website at: <https://icid-ciid.org/icid_data_web/Workshop_WFEN2022.pdf>.

WG-WFE-N Minutes Item 7. Publications of the Working Group

18. The Chair discussed in detail about the ‘Three Year Rolling Plan’ activity wise of the WG WEF_N. The type of output (Document/Report) possible, contributors, and completion dates. He has requested all the contributors to work systematically to reach the milestones as per the plan approved.

19. The Chair informed that the Papers presented in the international workshop were reviewed by him thoroughly and are ‘**Oven Ready**’ for submitting to any journal for publication.

WG-WFE-N Minutes Item 8. Exchange of information, knowledge & networking –website**WG-WFE-N Minutes Item 9.1: Website of the group**

20. The Chair informed about the new website which is accessible at https://icid-ciid.org/inner_page/147. Chairman encouraged the members for active participation in the activities of the group and facilitate exchange of information, knowledge, and experience, as well as networking on the topic in order to keep themselves up to date with new developments. Members are also encouraged to provide articles, papers, and presentation made on topics related to the scope of the WG to ICID Central Office for uploading on the website of the group.

21. Chair has presented papers in the Workshop which would be uploaded on the WG website for wider circulation.

WG-WFE-N Minutes Item 9.2: Webinar / Web-based Seminar

22. The Chair informed that one positive side effect of COVID was how to get connected remotely through various online platforms.

23. This year, the technical working groups of ICID have organized several webinars based on the mandate of the group which are available at https://icid-ciid.org/inner_page/66. The group may discuss and suggest suitable topics along with names of experts for organizing webinars.

24. The chair requested members to provide their suggestions on the topics, based on the mandate of the WG, on which webinar can be considered along with names of the relevant experts who could be contacted to develop webinars.

WG-WFE-N Minutes Item 9. Any other business

25. By seeing the successful conduct of the First International Workshop of WG_WEF_N successfully at Adelaide, it is decided to Conduct next international workshop at Vizag, India during the 25th ICID International Congress going to be held during 1-8 November 2023.

26. **ICID Members' Profile Section:** The WG noted the information on the ICID Members' Profile Section and invited the members to visit the Profile Section for updating their information.

27. **Register on World Irrigation Projects (WIP):** The members of the WG are encouraged to share appropriate data in the context of ‘Register on World Irrigation and Drainage Schemes (WI&DS)’.



**MINUTES OF THE 29TH MEETING OF THE
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**

8 October 2022, 08:45-10:30 Hours (Session-I)
8 October 2022, 11:15-13:00 Hours (Session-II)
Adelaide, Australia

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 1994

Mandate: (i) To ensure with the (Joint) Editor(s) that the Journal is published in accordance with editorial policies; (ii) To select and recommend to IEC, through PCTA, the appointment of (Joint) Editor(s), Associate Editors and Members; (iii) To review and update editorial policies when required, to conform with the developing ICID objectives; (iv) To address and resolve issues pertaining to the Journal; and (v) To review guidelines for authors, manuscript reviewers and book reviewers and liaise and coordinate with ICID workbodies.

Members Present: (1) President Hon. Prof. dr. Bart Schultz (The Netherlands), Editor Emeritus; (2) Asst. Prof. Keigo Noda (Japan), Associate Editor; (3) Prof. Dr. Ray-Shyan Wu (Chinese Taipei Committee), Associate Editor; (4) VPH Laszlo Hayde (Hungary), Associate Editor; (5) Dr. Vijay K. Labhsetwar (India); (6) Prof. Jin-Yong Choi (Korea), Associate Editor and (7) Secretary General, ICID represented by Er. B.A. Chivate, Director (Technical), ICID Central Office.

Website: http://icid-ciid.org/inner_page/124

EB-JOUR Minutes Item 1: Action Taken Report by Chair (from Editor, Chairman)

1. In the absence of Prof. Dr. Jiusheng Li (China), Chairman of EB-JOUR, President Hon. Prof. dr. Bart Schultz (The Netherlands) has chaired the meeting and informed that the Chairman's Report for 2021 had been disseminated to the members of EB-JOUR before the meeting. Various points emerging from the report were presented and discussed during the meeting.

EB-JOUR Minutes Item 1.1: Special Issues

2. In 2022 one Sponsored Special Issue will be published. It has been prepared by the International Water Management Institute (IWMI) under the title *Achieving climate resilience through improved irrigation water management from farm to basin scale*. The guest editors are Mohsin Hafeez, Stefan Uhlenbrook and Petra Schmitter. We are thankful to IWMI for this interesting Special Issue.

3. The WG-SDTA is preparing a Sponsored Special Issue based on the papers presented during its meetings and workshops. The Guest Editors are: Mrs. Hsiao-Wen Wang, Bart Schultz and Ruey-Chy Kao.

4. The chairman has received proposals for three special issues, namely on:

- (a) Unmanned aerial vehicles;
- (b) Photocatalytic water purification technology;
- (c) Applying nanotechnology for sea food processing.

5. During the meeting it was raised that it is important to link these topics to the aspects that are relevant for irrigation or drainage. When it will not be sponsored special issues it is recommended to stick to the practice that not more than six papers on a topic will be published together in one regular issue.

EB-JOUR Minutes Item 1.2: Virtual Issues

6. Two virtual issues have been published. Potential content for virtual issues on *Modernization of Irrigation Schemes* and on *Climate Change* have been submitted to Wiley. They will be published at an appropriate moment.

EB-JOUR Minutes Item 1.3: French resumés

7. During several years Severine Tomas (France) took care for the check of the French resumes in the accepted papers. However, due to her busy workload she could not continue. The meeting expressed its appreciation for all the good work that she has done.

8. Since 2021 this work has been taken over by ICID Central Office. In this regard, Central Office has translated 77 papers in French version and shared it to Chairman, EB-JOUR so far.

EB-JOUR Minutes Item 1.4: Recognition to the reviewers

9. As a convention, 295 Guest Editors and Reviewers during 2021 were recognized in the First Issue of 2022. Reviews are also listed in PUBLONS when reviewers would wish so.

EB-JOUR Minutes Item 1.5: Review process

10. For quite a few papers there are still significant delays before a decision on publication can be taken. Regular checks by the Chairman and the Joint Editors are being done to prevent this as much as possible. The rapid changes in the publishing world require that the time for the review process be kept as short as possible.

EB-JOUR Minutes Item 1.6: Best Paper Award 2022

11. In 2021, five regular issues and one sponsored Special Issue were published, resulting in a total of 111 papers. The 'Best Paper Award 2022' was selected by the Chairman in cooperation with the Joint Editor, Associate Editors, and Editor Emeritus of the Journal. The winners of the 'Best Paper Award 2022' were announced during the 2022 IEC Plenary Meeting on 6 October 2022. The winner paper titled '*Bacillus amyloliquefaciens* application to prevent biofilms in reclaimed water micro-irrigation systems' (published in Volume 70, Issue 1 <https://onlinelibrary.wiley.com/doi/epdf/10.1002/ird.2527>) by Jiaxin Wen, Yang Xiao, Peng Song, Bo Sun, Tahir Muhammad, Lianghe Ma, An Waier Aosiman and Yunkai Li from China. The Best Paper Award in the form of a citation plaque along with a cash prize of US\$ 500 has been awarded.

EB-JOUR Minutes Item 1.7: Membership

12. The Australian National Committee has nominated Prof. Tapas Kumar Biswas (Australia) as Associate Editor. While this was not in the Agenda, after consultation with the Chairman through e-mail, the meeting recommends that this nomination will be approved.

13. Dr. Shadev Singh, Director, Knowledge Management (KM) has left ICID Central Office. Therefore, he has also withdrawn from membership of EB-JOUR.

14. For two other members of EB-JOUR it is a question whether their membership will be continued, or comes to an end. These are Severine Tomas (France) and VPH Larry Stephens (USA). Severine Tomas took care for the check of the French resumes in the accepted papers. This has been taken over by Central Office. The meeting expressed its appreciation for all the good work that she has done. VPH Larry Stephens was a member as the Chairman of the former Committee on Publications. However, he recently retired from USCID. Central Office is requested to contact the concerned National Committees, whether their membership will continue as an EB-JOUR member, or whether they will step down.

15. Chairman in consultation with the Central Office have updated the membership of the WG. Membership status is given in **Annex 3 (page 29)**.

EB-JOUR Minutes Item 2: Road Map to ICID Vision 2030: Action Points of Editorial Board

16. The Editorial Board reviewed the status of its implementation of the Action Plan (Road Map to ICID Vision 2030). The following items can be reported:

Strategy C4 Compile collate and share knowledge and experiences:

- (a) 5 issues of IRD will be published this year and one sponsored special issue. The number of papers per issue is significantly larger than the agreed minimum of 12.
- (b) the two working meetings of the Chairman and the Editor Emeritus with the contact persons of Wiley will be held online.

Strategy C5 Dissemination of data, tools, knowledge and know how. The six formulated milestones have been reached. In general the results have been better than the formulated milestones.

EB-JOUR Minutes Item 3: Distribution of the Journal among the ICID membership

17. This year, a total of 1902 copies were distributed to members in 2022 i.e. 1711 *Online-only* subscriptions, 97 subscriptions as *Online + print* and 94 as *print-only* subscriptions. The Direct Members (DM) and Young Professionals (receiving ICID scholarship) have been added to the list receiving ICID Journal.

18. In order to expand the accessibility (online only) to ICID Journal on Irrigation and Drainage, M/s. Wiley has already created a new category – ‘Individual member of the National Committees’ for providing free copies of IRD to all individual member of the NCs. Those National Committees that did not submit the list of their members so far are encouraged to do so when Central Office invites them to do it.

EB-JOUR Minutes Item 4: Issues related with M/s. Wiley-Blackwell

19. There is one item that needs attention. The dissemination of printed copies has stopped due to problems caused by the Covid-19 pandemic. However, it is considered to be important that this dissemination will start again. This will be discussed in the forthcoming working meeting with Wiley.

EB-JOUR Minutes Item 5: Any other business

20. **ICID Members' Profile Section:** The EB-JOUR noted the information on ICID Members' Profile Section and invited the members to visit the Profile Section for updating their information.

21. **Register on World Irrigation and Drainage Schemes (WI&DS):** This initiative is appreciated. The members of the Editorial Board are encouraged to share appropriate data in the context of ‘Register on World Irrigation and Drainage Schemes (WI&DS).



**MINUTES OF THE 5TH MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND
FLOOD CONTROL (WG-HIST)**

08 October 2022, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Knowledge

Presented by VPH Dr. Laszlo Hayde

Year of Establishment: 2017

Completion of the Mandate: 2023

Mandate: (a) To motivate ICID National Committees in various countries to set up their National Working Groups on History; (b) To provide guidance to compile, publish, update and/or translate documents on history of irrigation, drainage, and flood management; (c) To promote the inter-disciplinary exchange of information, knowledge, and experience, as well as networking on the topic (agricultural, political, socio-economic, climatologically and geographical, aspects) for proper understanding of the technological developments on the subject; (d) To organize seminars at ICID Congresses to enhance awareness of Water history; (e) To prepare a paper on “Historical Water Sustainability” for publication in *Irrigation and Drainage (IRD) Journal*; (f) To finalize a book on “Historical Water Sustainability”; and (g) To encourage member countries to produce documentaries on Water History.

Members present: (1) VPH Dr. Laszlo Hayde – Acting Chair (Hungary); (2) Mr. Gao Lihui – Young Professional (China); (3) Dr. Sinite Yu (Chinese Taipei Committee); (4) Dr. Masaomi Kimura (Japan); (5) Engr. Sirika Ahmad Abubakar (Nigeria); (6) Dr. Ju-Chang Kim represented by Seong-Won Lee (South Korea); (7) VPH Chaiwat Prechawit (Thailand).

Members Honorary: (1) President Dr. R. Ragab (UK); (2) PH Prof. Bart Schultz (The Netherlands); (3) VPH Dr. Marco Arcieri (Italy).

Observers: (i) Dr. Vijay K. Labhsetwar (India); (ii) Engr. Saliu Osifuemhe Ahmed (Nigeria); (iii) Engr. A.M. Barka (Nigeria); (iv) M.D. Janaka Priyantha Wickramasooriya (Sri Lanka); (v) Dr. Watchara Suiadee (Thailand).

Website: http://icid-ciid.org/inner_page/125

WG-HIST Minutes Item 1. Action taken report by the Chair

1. In absence of Chair VPH Dr. Kamran Emami and as requested by ICID Central Office, VPH Dr. Laszlo Hayde welcomed all the members and conducted the meeting as Acting Chair.

2. VPH Dr. Emami contributed to the meeting by sharing the files of the publication “Historical Water Sustainability” along with a pre-recorded presentation. The WG members watched the video presentation during the meeting.

3. The group reviewed the nominations received for the membership of the working group. As the new nominees were not present at the Adelaide meeting so the group accepted Dr. Yao Jianfeng (China) as Observer while Dr. Qazi Tallat Mehmood Siddiqui (Pakistan) as Provisional Member until the next meeting of the working group. Membership status is given in **Annex 3 (page 29)**.

WG-HIST Minutes Item 2. Road Map to ICID Vision 2030 - Activities on the history of irrigation, drainage and flood control

4. The group discussed the Road Map to ICID Vision 2030 and agreed that no significant changes in the Road Map are necessary (*refer Annex*). Completion of the 2022 Milestones requires more work to be done, especially publishing the ‘*Historical Water Sustainability*’ book (see more under Item 3).

WG-HIST Minutes Item 3. Publication on “Historical Water Sustainability”

5. After discussion, the WG Chair provided updates on the publication of “Historical Water Sustainability” in his video presentation. In total, about 17 Chapters were received and edited by Dr. Emami and Dr. Vijay Labhsetwar, on behalf of the ICID Central Office. Some final editorial work is still required (Foreword, Introduction, checking uniformity of chapters, etc.) for which the help of the ICID Central Office is required.

6. The group proposed to publish the book with “**Editors: Kamran Emami and Vijay Labhsetwar**” however, Dr. Laszlo Hayde would like to stay in the loop for the finalization process. All efforts should be made to launch this publication for the side event of the **UN 2023 Water Conference**, organized by ICOMOS Water and Heritage Group. (See below under Item 6, sr.no.11)

WG-HIST Minutes Item 4. Exchange of information, knowledge, and networking – Website**WG-HIST Minutes Item 4.1. Dissemination of information – Website**

7. The group discussed and suggested that the WG-HIST website - https://icid-ciid.org/inner_page/125 requires some updates:

- (a) Members to update their personal positions based on the ICID Central Office email dated 9 July 2021 < <https://icid.bmeurl.co/C7D4D2E> >
- (b) To add the Awards part: Best Performing Workbody Award received in 2004 by WG-HIST.
- (c) Additional content may be sent to VPH Dr. Laszlo Hayde for collection and discussion with ICID Central Office.

WG-HIST Minutes Item 4.2. Webinar / Web-based seminar

8. Unfortunately, the webinar was not organized by WG-HIST although this was a milestone marked for the year 2022.

WG-HIST Minutes Item 5. Review of World Historical Irrigation Structures (WHIS) and WSH Program

9. The Working Group reviewed the WHIS and based on the proposal of Dr. Kim Ju-Chang, the WG suggested the following to be checked and improved:

- (a) There are many mistakes in the World Heritage Irrigation Structure of the ICID Homepage due to poor translation by different languages. WHIS description in the ICID Homepage should be well prepared and kept. Dr. Kim Ju-Chang checked Korean WHIS in Korean, English, Chinese, and Japanese, and found many mistakes in all the versions of different languages. They should be corrected.
- (b) Explanation of each heritage varies from a few sentences to one page or more. A guideline for the length of the description is needed.
- (c) Some include subtitles and others do not. It was recommended to give a guideline for subtitles or not.
- (d) Some include several photographs and others do not. It was recommended all the heritage descriptions include 3 to 6 photographs.

10. The group requested ICID Central Office to develop and publish guidelines or templates to reach uniformity of the website on WHIS.

WG-HIST Minutes Item 6. Any other business

11. The group suggested engagement for ICID to the UN 2023 Water Conference – Mid-term Review of Water Action Decade invitation by ICOMOS ISC Water and Heritage. On 20 March 2023, the ICOMOS ISC Water and Heritage together with the UNESCO Chair on Water, ports, and historic cities will organize a conference by invitation in the Harlem Theatre in New York titled "Water and Heritage: connecting past with present and future." This conference will be a two-day side event on Water and Cultural heritage prior to the Midterm Review of the UN Water conference next March in NY.

12. Based on the proposal of Dr. Sinite Yu, the WG discussed and suggested that participation of ICID will be discussed during IEC and after that, it will be further advertised/ disseminated by ICID Central Office.

13. Dr. Klaus Röttcher contributed to the meeting by email and informed the WG that in September 2022 they had a nice summer academy <https://wasser-suderburg.de/aktuell/diwa-sommerakademie/> with guests from Iran. It was also informed that they have a small research project about historical floods in lower Saxony related to the flood directive of the EU. For a longer time, they try to get a project approved about water management in the historical city of Jawa in Jordan, they had an online audience with Prince Hassan and he also supported the project, but for formal reasons, the funding from the German research association has not been received. The topic is archaeology or agriculture.

14. VPH Chaiwat Prechawit informed the meeting about the difficulties of the Thailand National Committee to input the collected information for the World Irrigation and Drainage Schemes (WI&DS) into the ICID's provided website. After clarification with the Secretary General, the work will go on.

15. The group requested ICID Central Office to correct the search engine (only responding to the old 'WIP' name) and the link of the World Irrigation and Drainage Schemes (WI&DS) from 'WIP' to 'WI&DS' or 'WIDS'.



Annex [Appendix XIX, Item 2]

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 | Milestone for Year 2022 | Milestone for Year 2023 | Responsibility |
|--|--|--|--|--|--|--|--|--|--|----------------|
| GOAL C: FACILITATE EXCHANGE OF INFORMATION, KNOWLEDGE AND TECHNOLOGY | | | | | | | | | | |
| C1. Strategy: Providing Knowledge-sharing Platform for AWM Professionals | 1.2 International conference/workshop/seminar on History | Workshop Proceedings | Workshop/seminar on Historical Water Sustainability | | Workshop/seminar (Bali) | | | Workshop/seminar | Workshop/seminar | |
| C3. Strategy: Promoting Regional Cooperation | 3.10 International conference/workshop/seminar | Workshop Proceedings | | | | | | | | |
| C4. Strategy: Compile, Collate and Share Knowledge and Experiences | 4.5 Publication on Historical Water Sustainability | Publication | | Compile lessons learned from WHIS/ WSH | | | | Finalize the publication on Historical Water Sustainability | | |
| | 4.6 World Historical Irrigation Structures (WHIS) | Register of WHIS | Nomination/evaluation / update register | Nomination/evaluation /update register | Nomination/evaluation / update register; Exhibition at WIF3 | Nomination/evaluation /update register | Nomination/evaluation /update register | Nomination/evaluation / update register | Nomination/evaluation /update register | |
| | 4.7 World Water System Heritage (WSH) Program | Register of WSH | Nomination/evaluation / update register | Nomination/evaluation / update register | Nomination/evaluation / update register; Exhibition at WIF3 | Nomination/evaluation / update register | Nomination/evaluation / update register | Nomination/evaluation / update register | Nomination/evaluation / update register | |
| C5. Strategy: Dissemination of Data, Information, Tools, Knowledge and Know How | 5.10 Documentaries on Water history | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | Encouraging the member countries to produce documentaries on water history by presenting the prize on the best documentaries | |
| | 5.11 Updating the relevant website | Online | Uploading the relevant documents | Uploading the relevant documents | Uploading the relevant documents | Uploading the relevant documents | Uploading the relevant documents | Uploading the relevant documents | | |
| GOAL E: ENCOURAGE RESEARCH AND SUPPORT DEVELOPMENT OF TOOLS TO EXTEND INNOVATION INTO FIELD PRACTICES | | | | | | | | | | |
| E4. Strategy: Research on History of Irrigation and Lessons Learned from the past | | | Preparing the conclusion chapter for the WG publication | Preparing the conclusion chapter for the WG publication | Preparing the conclusion chapter for the WG publication | Preparing the conclusion chapter for the WG publication | Preparing the conclusion chapter for the WG publication | Finalizing the editing process | | |
| E6. Strategy: Dissemination of Useful Research Outputs | 6.1 Prepare a paper on combination of old methods and new technologies | | Presenting the first paper in the WG workshop and other seminars | Presenting the second paper in the WG workshop and other seminars | Presenting a paper for the journal of Irrigation and drainage | | | Presenting a paper for the journal of Irrigation and drainage | | |

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



**MINUTES OF THE 4TH MEETING OF THE
TASK FORCE TO GUIDE ICID INPUTS TO 9TH WORLD WATER FORUM (TF-WWF9)**

06 October 2022, 14:00-15:45 hours
Adelaide, Australia

Strategy Theme: Knowledge

Presented by the Chair

Year of Establishment: 2018

Completion of the Mandate: 2022

Mandate: (a) Monitoring and providing inputs to the 10th WWF by liaising with the National Committees and Work bodies; (b) Liaising with the National Committees for preparatory work of the 10th WWF; (c) Liaising with the 10th WWF Program Committee and other International Bodies, including FAO, IWMI, APPC, WB, etc.; and (d) Promoting ICID's visibility in World Water Council.

Members present: (1) President Hon. Dr. Saeed Nairizi, Chair (Iran); (2) Dr. Katsuyuki Shimizu (Japan).

Webpage: http://icid-ciid.org/inner_page/126

1. Chair President Hon. Dr. Saeed Nairizi informed that only 2 members attended the TF meeting, and no other members were present. **The meeting was cancelled due to the very low participation of members.**
2. Chair agreed to share the PowerPoint prepared for the meeting with all members for their information and also proposed to organize a virtual meeting for further action to be taken. The chair also proposed to finalize the first draft for the next year's meeting in 2023. Membership status is given in **Annex 3 (page 29)**.



**MINUTES OF THE 5TH INFORMAL MEETING OF THE
WORKING GROUP ON VALUE ENGINEERING (WG-VE)**

07 OCTOBER 2022, 14:00-15:45 hours (Session-I)

07 OCTOBER 2022, 16:15-18:00 hours (Session-II)

Adelaide, Australia

Strategy Theme: Knowledge

Presented by the Acting Chairman

Year of Establishment: 2017

Completion of the Mandate: 2023

Members Present: (1) Ir. Nor Hisham M. Ghazali (Malaysia), Secretary; (2) Dr. Toshihiko Kuno (Japan); (3) Mr. Gao Lihui (China) and (4) Dr. Ya-wen, Chueh (Chinese Taipei Committee);

Observers: (i) Mr. IJsbrand De Jong (World Bank); (ii) Engr. Franc Steinman (Slovenia); and (iii) Mr. Taku Mori (Japan).

Website: http://icid-ciid.org/inner_page/127

WG-VE Minutes Item 1. Action Taken Report by Chair

1. Ir. Nor Hisham Ghazali (Malaysia), Secretary of the Working Group on Value Engineering (WG-VE) acted as Chairman for this meeting in the absence of VPH Dr. Kamran Emami (Iran), Chairman and Mrs. Remziye Yildiz Gulagaci (Turkey), Vice-Chairman of the WG-VE. He welcomed all the members and presented report on the actions taken on the decisions made during the last meeting held on 27 November 2021.

2. The Acting Chair explained the usefulness and practicality of VE in achieving project and budget targets and how it fits into the ICID Vision 2030. Whilst traditional methods such as cost benefits analysis continue to be practiced, Value Engineering encourages a holistic look at project planning, design and construction focusing on functional analysis. The meeting realizes that VE is still considered new to many countries and its implementation is challenging as discussed in the publication of the TF-VE.

3. The Acting Chair emphasized the importance of creating the interest in Value Engineering in Young Professionals. It is noted here that during the 68th IEC Meeting in Mexico City, a half-day Training workshop for Young Professionals titled “Value Engineering: An Effective and Efficient Methodology for Enhancing Irrigation, Drainage and Flood Management Projects” was held on 13 October 2017. Seventeen (17) young professionals from Afghanistan, Australia, Canada, Ecuador, Egypt, Ethiopia, Finland, Ghana, Indonesia, India, Iran, Malaysia, Mexico, Morocco, South Africa, and South Korea participated in the workshop. The WG-VE plans to continue to organize similar workshops and a virtual platform may be more practical and may attract a wider audience to the subject.

4. The WG reviewed the new nominations received from Chinese National Committee on Irrigation and Drainage (CNCID) and Iranian National Committee of ICID (IRNCID). Nominees of Mr. Gao Lihui (China) and Mr. Saeed Pourshahidi (Iran) as Young Professional attended the meeting of the group (physically/virtually) so their nominations have been accepted as members of the WG unanimously. However, nominees of Ir. Wang Yijia and Ir. Zhang Zhaoyang from China were not present, so their membership was accepted provisionally. Interest in WG-VE is growing. In updating the membership, it is noted that the nomination from USACID for Mr Delbert Smith received in Bali (2019) remains provisional. Membership status is given in **Annex 3 (Page 29)**.

WG-VE Minutes Item 2. Introduction of the Scoping Document for a new Working Group on Value Engineering

5. During the virtual meeting, Chair Dr. Emami informed that the erstwhile Task Force on Value Engineering (TF-VE) had completed its tenure in 2017. The draft Scoping Document with the revised mandate for a new Working Group on Value Engineering (WG-VE) was presented in 2017 at Mexico. Further, the revised mandate of the WG-VE was also reviewed and updated during the Saskatoon (2018), Canada meeting. WG Chair VP Dr Emami briefed members about the scoping document and revised mandate of the WG, which is as given below:

Revised Mandate of the WG-VE:

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups.
- (b) To provide guidance to compile, publish, update and/or translate documents on Value engineering projects (irrigation, drainage, flood management, and river engineering);

- (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic;
- (d) To organize seminars at ICID Congresses and meeting to enhance awareness of importance of Value Engineering;
- (e) To prepare a paper on “Application of Value Engineering in Irrigation and Flood Projects” for publication in Irrigation and Drainage (IRD);
- (f) To finalize a book on Application of Value Engineering in Irrigation and Flood Projects”.
- (g) To encourage member countries to produce papers on Value Engineering case studies.
- (h) To promote the planning and the execution of the virtual trainings of the WG for selected engineers from different countries on ‘Value Engineering application for saving in irrigation, drainage and flood projects’.

6. Dr. Emami has also informed that he would share the Scoping Document (SD) with revised mandate of the new WG-VE and requested the members of the group to share their suggestions/views, if any.

WG-VE Minutes Item 3: Publication of the Working Group

7. The members of the WG were informed about the e-publication on ‘Value Engineering for Savings in Irrigation, Drainage and Flood Management Projects’ which has been disseminated and uploaded on the ICID website in September 2021: (https://icid-ciid.org/icid_data_web/TF_VE_e-Publication2021.pdf).

WG-VE Minutes Item 4: Closure Report of the erstwhile TF-VE

8. WG Chair presented the closure report of the erstwhile TF-VE based on the mandate and brief description of the activities such as finalizing the TF publication and presenting a paper on VE in IRD Journal. Acting Chair informed that closure report of the erstwhile TF-VE has already been finalized by the WG Chair VPH Dr Emami and he will share it with ICID CO for uploading on the WG website.

WG-VE Minutes Item 5: Dissemination of information – Website

9. WG Chair requested the members of the group to share their presentations and training documentaries on VE for uploading on the WG website. The chair encouraged the members to prepare papers to be published in IRD Journal.

WG-VE Minutes Item 6: Webinar /Web-based seminar

10. WG members agreed that webinars would be held every 4 months to keep the activities of the group. The members are encouraged to prepare and deliver presentations at the next online meeting of the WG.

WG-VE Minutes Item 7: Any other business

11. WG proposed to have a workshop on ‘Value Engineering for Sustainable Water Projects’ during 25th ICID Congress to be held in November 2023 at Andhra Pradesh, India.

12. The members of the WG noted the information on ICID Members' Profile Section and WG Chair invited them to visit the Profile Section for updating their information.

13. The WG members were encouraged to share appropriate data in the context of ‘Register on World Irrigation and Drainage Schemes (WI&DS).



**MINUTES FOR THE VIRTUAL 6TH MEETING OF THE
TASK FORCE FOR UPDATING AND MAINTENANCE OF
MULTILINGUAL TECHNICAL DICTIONARY (TF-MTD)**

06 October 2022, 11:15-13:00 hours

Adelaide, Australia

Strategy Theme: Knowledge

Presented by the Chair

Year of Establishment: 2016

Mandate: (a) To identify priority chapters and terms frequently referred/ consulted by AWM professionals; (b) To consult/invite professional organizations to collaborate in enriching chapters/terms; (c) To identify experts/work bodies to review terms/chapters; (d) To encourage NCs in preparation and building of additional translations along with English/French; (e) To identify interesting pictures/diagrams suitable to illustrate various terms, where required, and (f) To make it accessible on web/ mobile.

Website: http://icid-ciid.org/inner_page/128

TF-MTD Minutes Item 1: Summary Update

1. VP and the Chair of the TF Watanabe, Mr. Kimura of JNCID, and VP Nor Hisham bin Mohd. Ghazali attended the task force meeting. They discussed the main points on the agenda, mainly the current situation of MTD and the necessary work to be done soon. They focused on discussing important items such as a) how to deal with duplication of terms, b) how to maintain the MTD on the web, c) how to link it with other similar information, and d) how to make effective use of it.
2. During the meeting, a virtual meeting of the TF to design a basic work plan was also suggested. Additionally, the following items were discussed.
3. The chair suggested a virtual meeting of the TF to design a basic work plan. During the meeting, the following items were discussed.
 - (a) TF recognized the necessity of updating the current English edition by checking the chapters and terms to see if any chapter/ terms need to be modified, new terms to be added, any term to be deleted as well as the inclusion of any photos, diagrams, link, etc. A priority list of MTD topics has been prepared.
 - (b) TF reminded that 855 terms/words in total have been selected to be modified, including 120 words from WG-CLIMATE, 477 words from WG-M&R, 100 words from WG-IDM, and 165 words from WG-SON-FARM.
 - (c) It was also shared that based on keyword analysis of ICID reports and publications of the last decade, about 223 keywords using their relative frequency of occurrence had been selected and provided by ICID Central Office and this list has been expanded since then.

TF-MTD Minutes Item 2: Further Progress of MTD

4. Members were requested to continue to update the terms related to their chapters of the MTD and provide the same to the Chair of TF as well as to ICID Central Office.

TF-MTD Minutes Item 3: Translation of MTD into various local languages

5. It was suggested that once the English updating is completed, translation of the updated MTD in different languages may be considered by respective NCs facilitated by the Central Office, and that individual Working Groups can also request relevant NCs to translate their new update of English version into different languages.

TF-MTD Minutes Item 4: Dissemination and Maintenance of MTD

6. It was shared that the MTD has been maintained in a database managed by the Central Office and is also available on the ICID website and individual requests from the users as and when received are also processed regularly.

TF-MTD Minutes Item 5: Any other business



**MINUTES FOR THE 7TH MEETING OF THE
WORKING GROUP ON CAPACITY DEVELOPMENT,
TRAINING AND EDUCATION (WG-CDTE)**

8 October 2022, 14:00-15:45 Hours (Session-I);

8 October 2022, 16:15-18:00 Hours (Session-II)

Adelaide, Australia

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2015

Extended completion of the Mandate: 2027

Mandate: (i) Coordinate and guide the knowledge management activities of the Commission and the capacity development activities by various WGs : (a) *Compile the status of training and educational programmes offered in different regions; & (b) Compile the Educational Programs being offered in irrigation and drainage in different regions;* (ii) Identify the training and education requirements, and identify gaps in available training programs, explore the feasibility of developing e-learning program and prepare guidelines for their development to support education and training programmes; (iii) Explore the scope of use of IT in capacity development including distant learning, and implement where feasible; (iv) Make available various tools required for sustainable development; (v) Oversee the establishment and functioning of a Technical Support Unit for supporting NCs; and (vi) Facilitate the process of balancing education and training requirements, and provision of training services.

Members Present: (1) VPH Dr. Mohamed Wahba (Egypt), Chairman; (2) Dr. Vijay K. Labhsetwar (India), Vice-Chairman; (3) Dr. Wen-Pin Shu (Chinese Taipei Committee) represented by Mr. Tony Chib-Sheng Chen; (4) Dato' Ir. Haji Hanapi Bin Mohamad Norr (Malaysia); (5) Mr. Gaforzoda Bakhrom (Tajikistan); (6) Ms. Li Ruoxi (China) as Young Professional; (7) Dr. Moshin Hafeez (IWMI, Australia); and (8) Mrs. Narges Zohari (Iran).

Observers: (i) Engr. Rauf Yuldashev (Tajikistan); (ii) Dr. Evan Christen (Australia); (iii) Dr. Ray-Shyan Wu (Chinese Taipei Committee); (iv) Dr. Katsuhiko Yamauchi (Japan); (v) Engr. Mkhaliphi Siboniso (South Africa); (vi) Mr. Waseem Nazir (Pakistan); and (vii) Dato' Ir. Dr. Hj. Ahmad Anuar Bin Othman (Malaysia).

Website: http://icid-ciid.org/inner_page/129

WG-CDTE Minutes Item 1: Action Taken Report by Chair

1. At the onset, VPH Dr. Mohamed Wahba (Egypt), Chairman of the WG, welcomed all the members and presented a report on the actions taken on the decisions made during its last meeting held in November 2021 at Morocco which are listed below:

- (a) Efforts continued for new memberships: About 6300 members in AfYWP-Forum on LinkedIn, about 1000 members in Int-YWP-e-Forum, about 43 African-Countries in WhatsApp groups along with 6 non-African countries.
- (b) Encouraged non-member countries to join ICID.
- (c) Preparations were made for 5th AfYWP Forum.
- (d) New partners such as ICARDA and FAO supported the joint activities.
- (e) Continued communications with YP's for technical support and advice, sharing news update and E-bulletin, other reports and announcement, some online activities and opportunities etc.
- (f) Special issue on 10th Micro Irrigation Conference was brought out by World Water Policy Journal.
- (g) Webinars were organized on 'Climate change impacts on water resources with ESCWA', 'Advance micro irrigation' and 'Virtual Irrigation Academy' (VIA) and 'Capacity development in agricultural water management'
- (h) Organized Online free course on Virtual Irrigation Academy (VIA) for YP's, 02-30 June 2022.
- (i) Supporting of 10 YP's for South Africa conference and training workshop on VIA next March2023.
- (j) VIA workshop was organized for ICID YP's during Adelaide Meetings on 09 October 2022

- (k) Virtual meeting of WG-CDTE was organized on 30 May 2022.
- (l) The Chair visited Tajikistan during 6-9, June 2022 to attend the second High-Level International Conference on International Decade for Action “Water for Sustainable Development”, 2018-2028 and to support the organization of 14th International Drainage Workshop later in 2024 by Tajikistan NC.
- (m) The chair attended two Zoom meeting organized with FAO Clusters during August and September 2022.

WG-CDTE Minutes Item 2: Review the mandate and membership of the WG

2. The Chair informed the members of WG that the new nominations are (i) Eng. (Ms.) T. Janaki Meegastenna (Sri Lanka); (ii) Ir. Liu Xueying (China); (iii) Dato’ Ir. Dr. Hj. Ahmad Anuar Bin Othman (Malaysia); (iv) Dr. Evan Christen (Australia) and (v) Mr Tony C.S. Chen (Chinese Taipei) for the membership of the WG. WG reviewed these nominations during the WG meeting and accepted the nominations of Dato’ Ir. Dr. Hj. Ahmad Anuar Bin Othman, Dr. Evan Christen and Mr. Tony C.S. Chen as members of the WG as they were present in the WG meeting and they introduced themselves to the WG. Eng. Meegastenna and Ir Xueying were not present during the WG meeting and therefore, their membership was accepted as ‘Provisional Members’ for one year. The updated memberships are available at **Annex 3 (page 29)**.

WG-CDTE Minutes Item 3: Brief of the virtual meeting organized on 30 May 2022

3. Virtual meeting of WG-CDTE was organized on 30 May 2022. The Chair discussed various activities being undertaken by the group as part of Road Map to ICID Vision 2030, such as new membership, YP training & educational programs and workshops, webinars etc. Er. Ashok Kharya (India) informed about the ongoing virtual ‘WALMIs MEET 2022’ organized by the National Water Academy (NWA), Pune, India. Vice Chair Dr. Vijay K Labhsetwar informed about the upcoming Panel Discussion/ Webinar on ‘*Capacity Building in Agricultural Water Management is in Intensive Care Unit*’ to be organized by the WG.

WG-CDTE Minutes Item 3.1: Memorandum of Understanding (MoUs)

4. The Chair informed that the WG is encouraging MoU’s between universities, research institutes and WG for promoting the capacity development, training and educational programs. The Chair thanked Eng. Ashok Kharya (India) and Dr. Wen-Pin Shu (Chinese Taipei Committee) for sharing a list of training institute/ universities in water sector in India/ Chinese Taipei, including list of short-term educational programmes. The Vice Chair Dr. Vijay Labhsetwar requested the other members to follow suit and help enrich the WG website.

WG-CDTE Minutes Item 4: Road Map to ICID Vision 2030 – Status of Activities

5. The Chair informed the WG that the Action Plan has been reviewed and updated (**Annex**). The WG members were requested to take initiative and identify themselves with particular topic(s) in the updated Action Plan of the group (2022-2024) for its implementation. The activities identified as per Road Map are as follows:

- (a) E-discussion and Webinars at NC’s levels, regional and global levels (Goal C; C5)
- (b) Analysis of the data collected – Research Need Assessment (Goal E; E1)
- (c) Preparing programs for study tours to pilot farms, upon request from NC’s and others (Goal F; F1)
- (d) Support Capacity Development Activities of Member Countries (Goal F; F2)
- (e) Technical Training of Young Professionals from Member countries (Goal F; F3)

WG-CDTE Minutes Item 5: Promoting capacity development, training and education

WG-CDTE Minutes Item 5.1: Training Programs for YPs in October 2022 at Adelaide, Australia

6. The Chair informed the members about the preparations made for the virtual training on 9 October 2022. Australian Centre for International Agricultural Research (ACIAR) has offered to provide funds for ten water professionals from Africa to participate in the 24th Congress of ICID and attend the above one-day Virtual Irrigation Academy (VIA) workshop and study tour in October 2022 at Adelaide in Australia. To facilitate the selection of ten YPs, an online training program was organized from 02-30 June 2022. However, due to some unavoidable circumstances, the organization of the VIA workshop and study tour for YPs from Africa during the 24th ICID Congress has been postponed to March 2023 in South Africa.

WG-CDTE Minutes Item 5.2: 5th African Young Professionals Forum during Cairo Water Week 2022 in October 2022

7. The Chair informed the WG that building on African Young Water Professional’s Forum great success, the 5th African Young Water Professional Forum will be convened during Cairo Water Week from 17-18 October 2022

(Hybrid mode) under the theme: " Smart irrigation water management to mitigate climate change impacts". Valuing the importance of partnerships fostered by the International Commission for Irrigation and Drainage (ICID), African Working Group (AFRWG) through the Af-YWPF with the Ministry of Water and Irrigation of Egypt, United Nations Economic and Social Commission for Western Asia (ESCWA), Arab Center for the Study of Arid and Drylands (ACSAD) of the League of Arab States, Global Water Partnership-Mediterranean (GWP-MED)/ GWP Africa Coordination Unit, International Center for Agricultural Research in the Dry Areas (ICARDA), the Food and Agriculture Organization (FAO), ICID and its partners are working collaboratively to organize the 5th Af-YWPF (Hybrid Mode) during the CWW 2022. The two-day forum will consist of 6 training sessions (9 hours), along with opening and closing sessions. The participating Young Water Professionals will also be able to take advantage of the on-line offerings provided during Cairo Water Week to engage with other experts and stakeholders in the water sector. About 135 YPs participants from 36 countries have registered for online participations and 20 YP's from 11 Countries have been selected to participate physically.

WG-CDTE Minutes Item 5.3: Short term training courses in India

8. In absence of Dr. Rajendra Singh Poddar, Secretary of the WG and Er. Ashok Kharya, member of the WG (both from India), Dr. Vijay K Labhsetwar informed that the fourteen Water & Land Management Institutes (WALMIs) in India have been conducting short/long term training programs in India for last four decades or so. To take a view, All India 'WALMIs MEET 2022' was organized virtually by the National Water Academy (NWA), Pune, India from 22 February to 13 July 2022. Biweekly presentations were made. The 14 institutes (WALMI/IMTIs) actively participated in the Meet and presented their position, working status, challenges and way forward. Now that the presentations and discussions are over, the NWA is preparing a technical report that will be submitted to NC-India (Government of India) as well as ICID (WG-CDTE). To expedite the process, Dr. Vijay K Labhsetwar (India), Vice Chair has since submitted (10 August 2022) the format for the Technical Report along with a comprehensive questionnaire for improvement to NWA.

9. The Chair expressed his happiness about the above attempt in India to assess the status of water management institutes in the country. He hoped that Dr. Poddar and Er. Kharya together with Vice Chair Dr. Labhsetwar will bring out the Technical Report at the earliest.

WG-CDTE Minutes Item 6: Dissemination of Knowledge – Website

10. The Chair explained to the WG about the importance of dissemination of knowledge and information through the website. He recommended that all other regions may follow the model of AfYYP-Forum (Item 5.2) as a very cost effective investment in our future leaders and sustainability of ICID.

11. VPH Dr. Mohamed Wahba (Egypt), Chair encouraged the member to discuss and evolve methodology for sharing of information and updating of WG website. He also hoped that members might have utilized the newly added web features on ICID website to update their profile information.

WG-CDTE Agenda Item 7: E-learning programmes as a capacity development tool

12. The Chair requested the members of the group to provide the information on e-learning programmes organized by them in cooperation with partner institutions. He hoped to focus on more activities on the subject in coming years and sought more cooperation from the members.

WG-CDTE Minutes Item 8: Webinar/Web-based seminar

13. The Vice Chair Dr. Vijay K Labhsetwar gave a brief about the Panel Discussion/ Webinar on '*Capacity Building in Agricultural Water Management in Intensive Care Unit*' which was organized on 20 July 2002 and moderated by Dr. Labhsetwar. The four panelists were: Eng. Russell Rollason (Australia), Eng. Pradeep Purandare (India), Em. Prof. Bart Schultz (The Netherlands) and VPH Dr. Mohamed Wahba (Egypt). The Panel Discussion was attended by more than 100 participants from around the world. Recordings of the webinars may be accessed through link https://icid-ciid.org/inner_page/221. The Chairman appreciated the efforts of the Vice Chair in conceptualizing and moderating the Panel Discussion and he invited some other member to take a lead in organizing the webinar in 2023. He also thanked the panelists for their time and fruitful contributions.

14. Further, Dr. Narges Zohrabi (Iran) made a presentation on the IRPID programs and proposed to organize a virtual webinar on the topic "*Women's empowerment and capacity development in water resources management*" later in 2022 or early 2023.

WG-CDTE Minutes Item 7: Any other business

15. The Chairman Dr. Wahba brought the attention of the members to the new initiatives of ICID: (1) providing WG members to access their profile section using their dedicated account. He also invited and encouraged the members to update their profiles. (2) Document the development of irrigation and drainage schemes in the world by contributing to the online Register for "World Irrigation and Drainage Schemes (WI&DS)".

16. Future activities: It will be WG's attempt to organize the following activities during the coming years:
- (a) Webinar series on:
 - Empowerment and capacity development of women in water resources management.
 - Roles of Agricultural drainage and achieving sustainable development goal's
 - Modern Irrigation systems, planning and design
 - Climate Change Adaptation for African Agriculture Systems and mitigating the Impacts on Water requirements
 - (b) Discussions on WhatsApp groups and LinkedIn, sharing of reports, news updates, announcements, opportunities and other activities.
 - (c) Tailor made training courses, upon request from our partners and African NC's.
 - (d) Physical and virtual trainings, back to back during ICID events.
 - (e) Establishment of new WhatsApp groups for Asian countries



Annex [Appendix XXIII, Item 4]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-CDTE

| Goal | Activity | Outcomes/ Outputs | Milestone for Year 2021 | Milestone for Year 2022 | Milestone for Year 2023 | Milestone for Year 2024 |
|--|---|---|---|---|--|---|
| Goal C: Facilitate exchange of information, knowledge and technology | | | | | | |
| C5. Strategy: Dissemination of Data, Information, Tools, Knowledge and Know How | 5.1 Guide and support organization of seminar/ workshops etc. by WGs and NCs | Networking and exchange of knowledge (development of knowledge portal) | <ul style="list-style-type: none"> Establishment of more WG-YP's WhatsApp Groups NC-wise for E-discussion and knowledge exchanges Encouraging of Establishment of Asian, European, and American Young Professional's Forum Email's to encourage all NC's and WG's to organize more webinar and training activities and keep us informed about any activities (jointly with CO) Meeting with WG's heads for discussions options for capacity development and road map in this direction | <ul style="list-style-type: none"> E-discussion and Webinars at NC's levels, regional and global levels | <ul style="list-style-type: none"> E-discussion and Webinars at NC's levels, regional and global levels | <ul style="list-style-type: none"> E-discussion and Webinars at NC's levels, regional and global levels |
| | 5.2 Awareness of role of ICT in capacity development | Webinars | <ul style="list-style-type: none"> Organizing webinars/Discussion, collection and analysis of information dissemination of recommendations | <ul style="list-style-type: none"> Organizing webinars/ Discussion collection and analysis of information dissemination of recommendations | <ul style="list-style-type: none"> Organizing webinars/Discussion collection and analysis of information dissemination of recommendations | <ul style="list-style-type: none"> Organizing webinars/ Discussion collection and analysis of information dissemination of recommendations |
| Goal E: Encourage research and support development of tools to extend innovation into field practices | | | | | | |
| E1. Strategy: Support Improving Research Prioritization in the Countries | 1.3 Overseeing activities of Technical Support Unit (TSU) | <ul style="list-style-type: none"> Capacity development and technical support to NC Diagnostic studies/ Research need assessments (RNA) | <ul style="list-style-type: none"> Encouraging Pilot farm for innovative technologies Encouraging more joint research Collecting information about best pilot farms in the world Emails to NC's , WG's and partners about the TSU and services could be provided from ICID experts Research need assessments (RNA) <ul style="list-style-type: none"> Email's for WG's and NC's, research centres and international experts Design of Questionnaire for RNA | Analysis of the data collected (RNA) . Final report of RNA Technical support services for NC's and partners | Regular | Regular |
| Goal F: Facilitate capacity development | | | | | | |
| F1. Strategy: Enhancing Institutional Capacity Development of Member Countries | 1.1 Provide technical support of National Committees, member and non-member of ICID (TSU) | <ul style="list-style-type: none"> Study tours Diagnostic studies/ Research need assessments (RNA) | <ul style="list-style-type: none"> Preparing programs for study tours to pilot farms upon request from NC's and others Emails to NC's for Nomination of experts | <ul style="list-style-type: none"> Preparing programs for study tours to pilot farms upon request from NC's and others Emails to NC's for Nomination of experts | Regular | Regular |
| | 1.2 Assisting to find capacity gaps in NC (TSU) | TNA Reports | <ul style="list-style-type: none"> Collecting information from NC's and Training Centres (letters and emails) <ul style="list-style-type: none"> Information about regional Training Centres TNA at regional levels Questionnaire to NC's | <ul style="list-style-type: none"> Data collections Data analysis Finalisation and release of TNA report | <ul style="list-style-type: none"> Dissemination of final report Actions for training based on TNA report | <ul style="list-style-type: none"> Actions for training based on TNA report |

| Goal | Activity | Outcomes/ Outputs | Milestone for Year 2021 | Milestone for Year 2022 | Milestone for Year 2023 | Milestone for Year 2024 |
|---|---|--|--|--|--|--|
| | 1.7 Contribute in the process of reorganization of NCs (TSU) | <ul style="list-style-type: none"> Webinar Group discussions | <ul style="list-style-type: none"> Online webinars about role of TSU for NC's | | | |
| F2. Strategy: Support Capacity Development Activities of Member Countries | 2.1 Facilitate donor NCs support joint research, invitations training, YP support program, or membership subscription in certain period (TSU) | Technical Report | <ul style="list-style-type: none"> Finalisation and dissemination of technical report Sending emails and letters from CO to NC's Dissemination of TSU reports (if any) | Regular Dissemination of TSU reports(if any) | Regular | Regular |
| | 2.2 Report on capacity development needs, available training courses, gaps, institutes which can provide training to fill gaps etc. | Study report | <ul style="list-style-type: none"> Preparing questioner for TNA Circulation of TNA Data analysis | Finalisation and release of report | Training programs according to TNA at different levels | Training programs according to TNA at different levels |
| F3. Strategy: Technical Training of Young Professionals from Member countries | 3.1 Develop on-line training and extension material to be used in support of improving irrigation practices and increasing water productivity | Proceedings of the program | <ul style="list-style-type: none"> 4th Af-YWP-Forum (CWW2021- October 2021)-virtually YP training programme prior to 5th AfRC on I&D 16-23 November 2021 at Marrakesh, Morocco | Regular | Regular | Regular |
| | 3.3 Establishment of a distance learning mechanism | E-learning modules | Identification of topics and resource person/institutes for development of E-earning modules | Development of E-learning modules and is wider dissemination | Development of e learning modules and its wider dissemination Identification of additional topic etc. | Development of E-learning modules and is wider dissemination |
| | 3.4 Capacity development/ training program on request from NCs | Training of professionals | <ul style="list-style-type: none"> Organizing yearly African Young Professional forum | <ul style="list-style-type: none"> Organizing yearly African Young Professional forum Training for IYP-e-Forum during 73rd IEC Meeting and 24th ICID Congress will be held in 2022 (rescheduled) at Adelaide, Australia, Committee on Irrigation | <ul style="list-style-type: none"> Organizing yearly African Young Professional forum Training for IYP-e-Forum during 74th IEC Meeting and 4th World Irrigation Forum (WIF4) will be held during 16-22 April 2023 in Beijing, China. Training for IYP-e-Forum 75th IEC Meeting and 25th ICID Congress will be held in November 2023, Visakhapatnam (Vizag), Andhra Pradesh State, India | <ul style="list-style-type: none"> Organisation of regional training program once a year Organization of African Young Professional forum every year |
| | 3.5 An online directory of institutes providing formal degree/s in Irrigation and Drainage | Online course | <ul style="list-style-type: none"> Collection and analysis of information Signing MoU's with relevant institutions for diploma or Msc degree | <ul style="list-style-type: none"> Updating of information Online courses | <ul style="list-style-type: none"> Updating of information Online courses | <ul style="list-style-type: none"> Updating of information Online courses |
| F5. Strategy: Providing Technical Support to NC's (TSU) | | | Upon request from NC's <ul style="list-style-type: none"> Study tours Diagnostic studies Tailor made training | <ul style="list-style-type: none"> Upon request from NC's Study tours Diagnosis studies Tailor made training | <ul style="list-style-type: none"> Upon request form NC's Study tours Diagnosis studies Tailor made training | Upon request from NC's <ul style="list-style-type: none"> Study tours Diagnosis studies Tailor made training |

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

**MINUTES OF THE 7TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION
SYSTEM DEVELOPMENT (WG-SON-FARM)**

07 October 2022, 09:00-10:45 hours
Adelaide, Australia

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2016

Extended completion of the Mandate: 2025

Mandate: (a) On-farm irrigation structures and water distribution system networks are properly designed, installed, managed, and maintained; (b) Soil moisture is monitored, technical and management measures for enhancing the water infiltration and retention capacities of soils are investigated and implemented; (c) Trade-offs among on-farm irrigation technologies, socio-economic and environmental benefits are optimized; (d) Innovative local institutional arrangements are developed and promoted for operation and maintenance; (e) Top-notch scientific and development relevant research is conducted and its results are translated into actionable recommendations.

Members Present: (1) Mr. Carl Walters, Vice Chair (Australia); (2) Dr. Chen, Ching-Tien represented by Hua Lung Yu (Chinese Taipei Committee); (3) Dr Yu-Min Wang represented by Yang Te Chuan (Chinese Taipei Committee); (4) Prof L.B. Roy, Direct Member (India); (5) Mr. Taku Mori (Japan); (6) Dr. Teoh Chin Chuang represented by Dr. Teoh (Malaysia); (7) Mr. Siboniso Phillip Mkhalihi (South Africa).

Observers: (i) Han-Jung Huang (Chinese Taipei Committee); (ii) Ming-Yi Chen (Chinese Taipei Committee); (iii) Revalin Herdianto (Indonesia); (iv) Sarwo Edhy (Indonesia); (v) Foyya Aquino (Indonesia); (vi) Katsuhiko Yamauchi (Japan).

Website: http://icid-ciid.org/inner_page/121

WG-SON-FARM Minutes Item 1: Action taken report by Chair

1. In absence of Chair Dr. Randev, Vice Chair Carl Walters conducted the meeting as Chair and welcomed all the members by making a brief introduction to the participants after two years of attending the meetings virtually.
2. At the meeting, the group reviewed the nomination of Engr. Malik Muhammad Akram (Pakistan) and accepted as a 'Provisional Member' due to his non-attendance. Membership status is given in **Annex 3 (page 29)**.

WG-SON-FARM Minutes Item 2: Road Map to ICID Vision 2030 – Status of activities on sustainable on-farm irrigation

3. The group discussed the Road Map to ICID Vision 2030 and provided the latest updates to PCTA for inclusion (refer to **Annex**). Also noted that the Country Papers developed by Australia and Malaysia as presented in the country paper Special Sessions / Workshop during the 73rd IEC could be considered as part of the Road Map to ICID Vision 2030.

WG-SON-FARM Minutes 2.1: Publications of the group

4. After discussion with the members, the Chair suggested that the paper of Mr. Taku Mori was in the final stages of completion. The developed online tool to assess the efficient or effective use of centre pivot irrigators has been completed and released.

WG-SON-FARM Minutes Item 3: Collection and collation of micro and sprinkler data

5. At the meeting, WG discussed the compilation of micro and sprinkler data and suggested that members through their country may support updating the database.

WG-SON-FARM Minutes Item 4: Dissemination of activities of WG

6. WG noted and suggested that all members may be reminded to provide documents related to the mandate of the WG for uploading on the website to ensure that works related to the activities of the group be communicated. Also encouraged members to update their profiles on the website i.e. member section to reflect activities as well.

WG-SON-FARM Minutes Item 5: Updating Multilingual Technical Dictionary (MTD)

7. The group discussed the updating of the Multilingual Technical Dictionary (MTD) and suggested that members may consider updating the MTD for improvements.

WG-SON-FARM Minutes Item 6: 10th International Micro Irrigation Conference in January 2023, Morocco

8. No Moroccan members participated in the meeting and hence, the discussion on the 10th International Micro Irrigation Conference was deferred.

WG-SON-FARM Minutes Item 7: International Workshop on Micro Irrigation Systems Impacting Agricultural Growth and Farm Incomes, 2023

9. Chair discussed with members and suggested that the group may consider the organization of a workshop on the adoption of technology and barriers as identified by end users during the IEC and 25th ICID Congress in India in November 2023. The group also recommended a virtual meeting be organized in February or March 2023 to pursue the arrangement of a Congress session or workshop under WG-SON-FARM.

WG-SON-FARM Minutes Item 8: Any other business

WG-SON-FARM Minutes Item 8.1: Members Profiles

10. Updating members' profiles on the ICID member section was discussed and suggested that proactive efforts should be made by the members of the WG to update profiles and include activities that may or may not fit under the WG-SON-FARM mandate.

WG-SON-FARM Minutes Item 8.2: COVID-19 and Global Conflict issues

11. The COVID-19 and global conflict issues from across the members were shared and challenges included labour shortages where workers were either impacted or reconsidering their work life, commodity price increases due to shortage, or perhaps redirected priorities such as garlic and ginger. Most countries had an exemption from restrictions for the agriculture sector. Chinese Taipei Committee was not impacted directly due to their island status although commodity prices were impacted. The manual labour maintenance of canals and systems was impacted across most sectors.

WG-SON-FARM Minutes Item 8.3: Mandate of the WG/ Committee

12. The mandate was discussed and the process to bring issues, papers, and proposals to the WG with consensus to provide proactive opportunities as seen fit by members. Encouraged to bring issues to the group to allow like-minded colleagues to support or develop thoughts in support or discussion of the issues. As considered in ICID Challenges sessions and supported by President Dr. Ragab, creating, and supporting the adoption of science by end users has now become a critical aspect of ICID. This is to avoid increasing irrelevance as we derive ways to seek the adoption of more efficient or effective practices.

13. Succession for the ageing farmers and their workforce was discussed with the key adoption of new technologies that are being developed.

WG-SON-FARM Minutes Item 8.4: Workshop in 2023

14. Adoption of sustainable or best practice a barrier was proposed and could be considered during the online meeting in February 2023.



Annex [Appendix XXIV, Item 2]

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 | Milestone for Year 2022 | Milestone for Year 2023 | Milestone for Year 2024 | Responsibility |
|--|--|----------------------------|-------------------------------------|---|--|--------------------------------|--------------------------------|-------------------------------|-------------------------|-------------------------|----------------|
| Goal A: Enable higher crop productivity with less water and energy | | | | | | | | | | | |
| A1.Strategy: Modernizing irrigation systems | 1.3 Prepare country overview papers | Papers | Prepare two country overview papers | Prepare one country overview paper | Prepare two country overview papers | | | Prepare one overview paper | | | |
| A5.Strategy: Supporting water productivity enhancement | 5.1 Prepare how to do thematic documents ready | Technical Document | Prepare one how-to-do document | Prepare one how-to-do document | Prepare one how-to-do document | Prepare one how-to-do document | Prepare one how-to-do document | Prepare one thematic document | | | |
| | 5.2 Develop a position paper on key issues on sustainable on-farm irrigation systems | Position paper | Prepare first draft paper | Finalize the position paper | Prepare second draft paper | Finalize the position paper | | Prepare one position paper. | | | |
| Goal C: Facilitate exchange of information, knowledge and technology | | | | | | | | | | | |
| C3.Strategy: Promoting regional cooperation | 3.9 Organize international workshop, seminar or symposium | Compilation of proceedings | First internal Workshop | Organization of the 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India | Hosted 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India | - | Second workshop | Third workshop. | | | |
| C4. Strategy: Compile, collate and share knowledge and experiences | 4.20 Database on sprinkler and micro irrigation in the world | Database | Updating database | Updating database | Updating database | Updating database | Updating database | Updating data base | | | |
| | 4.27 Research article on state of the art for publication in Irrigation and Drainage Journal | Study report | Prepare one article | Publication in Journal | Prepare one article | Publication in Journal | Prepare one article | Prepare one article | | | |
| Goal E: Encourage Research and Support Development of Tools to Extend Innovation into Field Practices | | | | | | | | | | | |
| E2. Strategy: Strengthening Extension Services with AWM information | | | | | | | | | | | |
| E5.Strategy: Compilation of Global Data Sets on Irrigation and Drainage | 5.1 Datasets for irrigated area | Database | Updating database | Updating database | Updating database | Updating database | Updating database | Updating database | | | |
| | 5.2 Datasets for Pressurised Irrigation Systems | Database | Updating database | Updating database | Updating database | Updating database | Updating database | Updating database. | | | |

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



**MINUTES OF THE 4TH MEETING OF THE
WORKING GROUP ON USE OF NON-CONVENTIONAL WATER
RESOURCES FOR IRRIGATION (WG-NCWRI)**

07 October 2022, 09:00-10:45 Hours
Adelaide, Australia

Strategy Theme: On-Farm

Presented by the Chair

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate: To exchange knowledge, experience, and data as well as network on the topic in order to be up to date with new developments, methods, and approaches; to prepare comprehensive reviews and prospects with respect to different aspects of NCWR. Producing technical manuals, guidelines, or standards with respect to all NCWR including wastewater, drainage water, and saline/brackish water; organizing international workshops, seminars, and meetings on the NCWR topic, 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.

Members present: (1) Dr. Wenyong Wu, Chairman, (China); (2) Prof. Tapas Kumar Biswas, Vice Chair (Australia); (3) Ms. Jigyasha Rai Yangkhurung (Nepal); (4) Dr. Sheng-Wei Wang (Chinese Taipei Committee).

Observers: (i) Jen-Yao Wu (Chinese Taipei Committee); (ii) Kenji Yasoda (Japan); (iii) Fumi Okura (Japan); (iv) Abdullah Isnin (Malaysia).

Website: http://icid-ciid.org/inner_page/123

WG-NCWRI Minutes Item 1: Action taken report by Chair

1. Chair Dr. Wenyong Wu welcomed all the participants in the meeting and presented the report on the action taken on the decisions and proposals of the working group at its meeting held in November 2021. In June 2022, the Pakistan National Committee on Irrigation and Drainage (PANCID) nominated Dr. Usman Khalid Awan for the membership of the working group. Similarly, in February 2022, the Chinese Taipei Committee (CTCID) nominated Dr. Sheng-Wei Wang (Chinese Taipei Committee) for the membership of the working group.

2. At the Adelaide meeting, Dr. Sheng-Wei Wang (Chinese Taipei Committee) was present while Dr. Usman Khalid Awan was absent. Dr. Sheng-Wei Wang introduced himself and the group approved Dr. Sheng-Wei Wang as a 'Member' while Dr. Usman Khalid Awan as a 'Provisional Member' due to non-attendance (*refer to Annex 1*). The Chair suggested that they should prepare the presentation in the next working group meeting. Membership status is given in **Annex 3 (page 29)**.

WG-NCWRI Minutes Item 2: Brief of the virtual meetings organized in February, April, and July 2022

3. The group noted that the virtual meetings of WG-NCWRI were organized on 09 February, 04 April, and 18 July 2022. During the virtual meeting, the Chair discussed various activities undertaken by the WG as part of the Road Map to ICID Vision 2030, the organization of a workshop on NCWR, Capacity Building Training, etc. Minutes of the virtual meetings of all work bodies were uploaded on a dedicated webpage – https://icid-ciid.org/inner_page/152

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

4. The group noted that three activities have been started during the virtual meetings in 2021 viz. (a) "Use of nonconventional water for food production" for the workshop - Dr. Tapas is responsible for the workshop flyer; (b) Guideline document of brackish water irrigation - Dr. Anna is responsible for drafting the guideline outline and leads to draft the guideline suggested by Chair; (c) Capacity building training on nonconventional water resources use for irrigation. According to the last implementation situation, WG revised the action plan for the years 2022 and 2024 as part of the Road Map to ICID Vision 2030. The milestone year of the state-of-the-art document changed from 2020 to 2022 (refer to **Annex 2**).

WG-NCWRI Minutes Item 4: Discuss and develop a work plan based on new mandate**WG-NCWRI Minutes Item 4.1: Prepare a state-of-the-art document on the use of NCWR**

5. The group noted that Dr. Kato had requested members to submit information related to a country area, water sources in non-conventional use, crop type and criteria of water, the scale of command area, etc. for preparation of the document. In response, Dr. Ashish Pandey (India), Chair Dr. Wu (China), and Dr. Tapas Biswas (Australia) shared case studies with Dr. Tasuku Kato.

6. The state-of-the-art document was expected to finish in 2022. The Chair appreciated that Dr. Kato made a great contribution to the document edition in collecting materials. In order to finish the document as soon as possible by end of 2022, the Chair suggested that Dr. Qi Xuebing would help Dr. Kato to finish the document draft.

WG-NCWRI Minutes Item 4.2: Developing manuals/ standards on the use of NCWR

7. Chair Dr. Wu shared the progress of the draft document of the reclaimed water irrigation guideline, and the draft document has been under the final stage. This guideline would have more progress in risk evaluation, risk prevention, and water quality. Dr. Wu informed the group members that he is doing the final checking of the draft document which will be sent to all members once it is ready.

8. Chair Dr. Wu shared the progress on the information of brackish irrigation guidelines. Dr. Wu suggested selecting a leader for this guideline, but no one volunteered. The guideline team leader was absent, and the action was delayed. President Dr. Ragab proposed Dr. Wenyong Wu to take over this job temporarily until the WG finds the most suitable person who could be a leader of this guideline. The milestone was revised from 2022 to 2024.

9. PH Dr. Saeed Nairizi suggested contacting Dubai Biosaline Centre via President (a more powerful approach) and the Chair agreed to contact with the help of the ICID Central Office.

10. VPH Dr. Kunlun Ding suggested discussing with President Dr. Ragab and Dr. Tapas to set a date, send the skeleton/ draft to the National Committees and request them to assist. The ICID Central Office may ask National Committees to nominate members for the guideline.

WG-NCWRI Minutes Item 4.3: Organization of International workshop on nonconventional water use

11. International Workshop on “Nonconventional Irrigation in High-Value Agriculture – Application of Modern Technologies” was successfully organized on 4 October 2022 in Australia. Chair Dr. Wu appreciated Dr. Tapas for the excellent organization of the workshop. Vice Chair Dr. Tapas shared information about the achievement of the workshop.

WG-NCWRI Minutes Item 4.4: Capacity building training and workshop

12. During the second virtual meeting on 04 April 2022, the group members discussed the training course on “Digital application in the use of non-conventional water resources”. Dr. Tapas Biswas (Australia), Dr. Ashish Pandey (India), and Dr. Tasuku Kato (Japan) volunteered as Members of the Organizing Committee for the training.

13. Dr. Biswas proposed a training course on “Digital application in the use of non-conventional water resources” and Dr. Qi proposed “Safe use of reclaimed water irrigation” in 2022. Dr. Wu invited Prof. Chen from Northwest Agriculture & Forestry University to prepare a training course on monitoring soil salt with remote sensing technology in 2023. Chair Dr. Wu asked whether there are any other members willing to provide training courses. It was proposed Dr. Tasuku Kato (Japan) and Dr. Ashish Pandey to give the topics of the training course before 20 October 2022. After discussion, it was proposed that the training courses will be held in the middle of November and Chair Dr. Wu will coordinate with the ICID Central Office.



Annex 1 [Appendix XXV, Item 1]

A. Members and their attendance at 2020, 2021, and 2022 meetings

| No. | Members | Member from (Year) | 2020 | | 2021 | | 2022 | | Remarks |
|-----|--|--------------------|----------------|---------------------|------|---------------------|---|------------|------------------------|
| | | | Self | Contributed by mail | Self | Contributed by mail | Virtual meeting (July, April, February) | WG meeting | |
| 1. | Dr. Wenyong Wu, Chairman, 2021 (China) | 2018 | • | | • | • | • | • | |
| 2. | Prof. Tapas Kumar Biswas, Vice Chair (Australia) | 2018 | • | | • | • | • | • | |
| 3. | Dr. (Ms.) Anna Tedeschi (Italy) | 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. | Dr. Ashish Pandey (India) | 2021 | | | | • | • | | |
| 17. | Dr. Sunil D. Gorantiwar (India) | 2021 | | | | • | • | | |
| 18. | Ms. Jigyasha Rai Yangkhurung (Nepal) | 2021 | | | • | • | • | • | |
| 19. | Dr. Shu-Yuan Pan (Chinese Taipei Committee) | 2021 | | | | • | | | |
| 20. | Prof. Qi Xuebin (China) | 2021 | | | • | | • | | |
| 21. | Dr. Usman Khalid Awan (Pakistan) | 2022 | | | | | | | Provisionally admitted |
| 22. | Dr. Sheng-Wei Wang (Chinese Taipei Committee) | 2022 | | | | | | • | |
| 23. | Secretary General, ICID | | # ¹ | | # | # | # | | |
| | Permanent Observers | | | | | | | | |
| 24. | FAO representative | | | | | | | | |
| 25. | ICBA representative (UAE) | | | | | | | | |



¹ Through representation

Annex 2 [Appendix XXV, Item 3]

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 Capacity building training on nonconventional water resources use for irrigation | | | | | Digital application in the use of nonconventio nal water resources | Monitoring soil salt with remote sensing technology | |
| | 7.4 Workshop on use of nonconventional water for food production | | | | | Workshop on use of nonconventio nal water for food production for high value production | | |
| | 7.5 Participate in research on the development of sewage | Guidelines | | | | Reclaimed water irrigation guideline | | |
| | 7.6 Guideline document of brackish water irrigation | | | | | | | Brackish water irrigation guideline |

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



**MINUTES OF THE 8th MEETING OF THE
WORKING GROUP ON INSTITUTIONAL AND ORGANIZATIONAL ASPECTS OF
IRRIGATION/ DRAINAGE SYSTEM MANAGEMENT (WG-IOA)**

08 October 2022, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Schemes

Submitted by the Chairman

Year of Establishment: 2015

Completion of the Mandate: 2023

Scope: The WG will investigate, analyse and disseminate information and knowledge on following issues: (1) Legal Framework and Organizational Structures of Water User Association for Water Supply Services including- (a) institutional and organisational requirements for sustainable operation and maintenance of irrigation/drainage systems, (b) improvement of organisational arrangements for management, operation and maintenance of irrigation/drainage systems, (c) financing of operation and maintenance of irrigation/drainage schemes, (d) approaches and requirements for water regulatory authorities, land property questions, water rights, and (e) roles, responsibilities and requirements for sustainable Water Users Associations (WUA); (2) Participatory Irrigation Management and Irrigation Management Transfer covering (a) approaches and conditions for successful Participatory Irrigation/Drainage Management (PIDM), and (b) approaches and conditions for successful irrigation/ drainage management transfers (IDMT), including legislation and institutional requirements for transfer of responsibilities and/or ownership of irrigation and drainage systems to water users associations; and (3) Public Private Partnership, and Mechanism for Cost Recovery covering (a) possibilities of and requirements for successful Public Private Partnerships (PPP) in irrigation/drainage, and (b) methods and mechanisms for charging of irrigation/ drainage services and determination of level of cost recovery.

Members present: (1) VPH Dr. Hafied Gany, Chairman (Indonesia); (2) Dr. Keigo Noda, Vice Chairman (Japan); (3) Mr. Taku Mori, Secretary (Japan); (4) VPH Ding Kunlun (China); (5) Dr. Niannian Yuan represented by CNCID representative (China); (6) VPH Frank Dimick (USA).

Observers: (i) Dr. Keita Amadou (Burkina Faso); (ii) Engr. Anthea Udo (Nigeria); (iii) Engr. Dyebankole AGBELUSI (Nigeria); (iv) Engr. Garisa Bello (Nigeria).

Webpage: http://icid-ciid.org/inner_page/115

WG-IOA Minutes Item 1: Action taken report by Chair

1. Chair welcomed all the members and briefed the members about the virtual meetings organized by the WG and the various activities undertaken by WG as part of the Road Map to ICID Vision 2030 i.e., preparation of chapters and time schedule for the final report of the WG, organization of the international workshop, etc., as per the following timeframe, which was reviewed and adjusted to a certain extent due to some constraints and impacts of the COVID-19 pandemic. Membership status is given in **Annex 3 (page 29)**.

WG-IOA Minutes Item 2: Brief review and adjustment of virtual meetings previously organized

2. After discussion, it was proposed that completion of the final draft will be done after incorporating the Report and Papers of the last International Workshop of WG-IOA on Public and Private Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance Toward Sustainable Irrigated Agricultural Water Management. However, the workshop which was supposed to be conducted at the 72nd IEC meeting of ICID in Marrakech on 24 November 2021, could not be conducted due to technical and communication problems hence, the group organized the international workshop on 6th October 2022 in Adelaide.

3. At the meeting in Adelaide, the group encouraged the assigned person that had agreed in the previous meeting to prepare the draft chapters. For this purpose, it was suggested that ICID CO may follow up with the respective members of the WG. Keeping in view limited time, it was agreed that online discussion will be conducted through email or virtual meetings for the preparation of a draft report and based on the general guidelines and subsequent discussion of the draft is scheduled during the 9th Meeting of the WG on Institutional and Organizational Aspects of Irrigation / Drainage System Management (WG-IOA) in 2023.

4. Subsequently, finalization of the Final Report, publishing, and launching of the report which was supposed to be conducted during the 74th IEC meeting of ICID in April 2023 in Beijing, China – would be postponed till

November 2023 while giving chance to catch up the previously delayed schedule for final editing, formatting, and e-publication that was previously planned with the intensive support of ICID Central Office.

5. Launching of the Final Report of WG-IOA could be conducted during the 74th IEC meeting of ICID in November 2023 in Visakhapatnam (Vizag), Andhra Pradesh State, India -- the time of which is still within the framework of WG-IOA.

WG-IOA Minutes Item 3: Road Map to ICID Vision 2030 – Status of activities on institutional and organizational aspects of irrigation

6. During the Morocco meeting, the group reviewed and discussed the Road Map to ICID Vision 2030 as part of the activities on institutional and organizational aspects of irrigation (refer to **Annex**). Understanding the overall situation of the COVID-19 pandemic all over the world, the group felt that it was not possible to achieve the overall target of WG-IOA and suggested an update concerning WG-IOA under Strategy C4 (activity 4.11) as part of the Road Map to ICID Vision 2030. The chair in consultation with the members updated the Road Map as per the extension of the completion of the mandate.

WG-IOA Minutes Item 3.1: Review Schedule for Publication of the WG

7. The group members noted that the tentative topic of the final report of IOA would be “Institutional and organizational reform in irrigation and drainage sector for sustainable agriculture water management”. At the last meeting of the WG, Dr. Qazi Tallat Mahmood Siddiqui (Pakistan) volunteered to help in preparing the draft of the general structure of the Final Report (Completion of Mandate of WG-IOA) however, no response has been received from him. In view of the COVID-19 pandemic, members were of the opinion that the final report of WG-IOA is likely to be delayed and would need an extension till the 74th IEC and 25th Congress at Vishakhapatnam, India in November 2023.

8. At the Adelaide meeting, the group suggested the ICID Central Office to urge Dr. Qazi Tallat to conduct preparation of the general structure by adjusting the draft structure that has been previously drafted and preparing the outline of the chapters as far as possible. The draft of the general structure and outline of the chapter needs to be immediately distributed through email to the group members for streamlining adjustment with each assigned chapter that has to be prepared by the assigned group member. The adjusted and outlined draft would then be used for subsequent discussion through virtual or face-to-face meetings. Meanwhile, Dr. Mohsin Hafeez m.hafeez@cgir.org from IWMI (Pakistan Regional Representative of IWMI) at the meeting of PCTA in Adelaide volunteered to help communicate this matter with Dr. Qazi Tallat Mahmood Siddiqui in such a way that this matter is immediately conducted.

9. The working group members noted that in July 2021, VPH Ding Kunlun (China) shared the draft of Chapter 4 titled “Observed Impacts of PIM” while Mr. Taku Mori (Japan) shared the draft of Chapter 2 titled “Legal Frameworks” as a contribution to the draft of the final report to Chair. WG also noted that during the virtual meeting on 23 July 2021, Dr. Sunil D. Gorantiwar (India) offered to contribute to Chapter- 3 “Participatory Irrigation / Drainage Management (PIDM) and Irrigation / Drainage Management Transfer (IDMT)” while Dr. Neelam Patel (India) offered to contribute to the Chapter 6 “Way Forward and Recommendations”. Chair requested Dr. Gorantiwar and Dr. Patel to prepare and submit chapters well in time. The ICID Central Office is expected to continuously follow up and remind the above-mentioned contributors about the due time which is becoming more critical due to the impacts of the COVID-19 pandemic as well as other technical and communication problems.

WG-IOA Minutes Item 4: Presentation by the Working Group Members

10. Chair encouraged members to volunteer and make a presentation during the next meeting on the topic related to the mandate of the working group, especially the IOA materials related to PIDM, IDMT, and PPPs and mechanisms for cost recovery, possibilities and requirements for successful PPPs, as well as a mechanism for charging of irrigation and drainage services and determination of cost recovery which are still required for supporting the final report of WG-IOA.

WG-IOA Minutes Item 5: Updating Multilingual Technical Dictionary (MTD)

11. Dr. Yu Chuang Chang (Chinese Taipei Committee), a member of WG-IOA was assigned to represent the WG-IOA during the TF-MTD meeting in Marrakech Morocco. During the Adelaide meeting, Dr. Chang informed through email that he will submit the draft of the MTD before the end of October.

WG-IOA Minutes Item 6: International Workshop on “Public-Private-Partnerships (PPPs) in Irrigation and Drainage Operation and Maintenance toward Sustainable Irrigated Agricultural Water Management”, October 2022, Australia

12. The workshop was successfully implemented on 6th October 2022 and participated by about 25 participants. The workshop materials have significantly met the expectation in accordance with the planned objectives, coming from a different region that would contribute remarkably to the Final Report of Mandate of IOA – ID Management; these particularly related to “PPPs in ID O&M toward sustainable IAWM”.

13. Six full-length papers, out of 15 abstracts have been received and successfully presented. They will be reviewed and compiled by the Chair and distributed to all members of WG-IOA and participants for partial references to prepare the final draft WG-IOA report for subsequent publication. The workshop materials presented have been found adequate to accommodate the finalization of the overall mandate of institutional and organizational aspects of IOA.

14. Generally, the workshop materials presented are meeting the workshop objectives that has been anticipated for supporting the completion of mandates: (i) PPPs approaches and condition has been implemented with different approaches from country to country but experiences have given a number of more or less similar actions, though not the same lesson learned towards: sustainable O&M of Irrigated Agricultural Water Management of Irrigation and Drainage; (ii) PPPs approaches and condition of IOA must not insist the farmer to implement partnership approach without freedom of choice; (iii) Training and HRD must be implemented on a sustainable basis; Avoidance of dependency syndrome attitude; (iv) Sustainable O&M fees must be based on the actual investment that has been used for sustainable O& of ID network systems.

WG-IOA Minutes Item 7: Any other business

15. **ICID Members' Profile Section:** The chair briefed the members about the new initiative of ICID providing WG members to access their profile section using their dedicated account. He informed that 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. The chair encouraged members to review and update their information using their credentials.

16. **Register on World Irrigation and Drainage Schemes (WI&DS):** Chair briefed about ICID's 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 National Committee/ ICID Central Office for inclusion are entitled to Certification. The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.



Annex [Appendix XXVI, Item 3]

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 | Milestone for year 2022 | Milestone for year 2023 |
|--|--|----------------------------|-------------------------------|--|---|--|--|---|---|
| Goal A: Enable higher crop productivity with less water and energy | | | | | | | | | |
| A4. Strategy: Promoting institutional reforms | 4.1 Introduce suitable institutional setup | Guidelines | | Prepare the first draft report | | Finalise the draft report & publication | | | |
| A6. Strategy: Improving performance of irrigation systems | 6.3 Facilitate policy analysis for improved water governance with a focus on agricultural water management and sustainable rural development. | Technical Paper | | | | | | | |
| | 6.4 Develop generalized legal regulations (guidelines) and implementing changes in the public and private sectors of agriculture and water economies of the countries | Guidelines | | | | | | | |
| | 6.5 Implementing changes in the public and private sectors of agriculture and water economies | Position paper | | | | | | | |
| A8. Strategy: Encouraging Participatory Management of Irrigation Systems | | | | | | | | | |
| Goal C: Facilitate exchange of information, knowledge, and technology | | | | | | | | | |
| C1. Strategy: Providing knowledge sharing platform for AM professionals | 1.7 Organize Workshop, Seminar and Symposium | Compilation of proceedings | Symposium | Symposium | Symposium | Symposium | | | |
| C4. Strategy: Compile, collate and share knowledge and experiences | 4.10 Condensed overview of existing key books, manuals, guidelines and other relevant publications on the institutional, organizational aspects of irrigation management | Technical report | | Release the first report | | Release the second report | Release of final report | | |
| | 4.11 Overview paper on the state of the art on the IOA of I&D in Irrigation and Drainage (IRD) | Paper | Paper; Workshop; Symposium. | Preparation of the draft of papers on IOA of IDM | Submission of the published paper by ICID-Wiley Publication: "Global Review of Institutional Reform....." | Submission of the published paper by ICID-Wiley publication: "Present Status and development to ICID Vision 2030 (AXEL IRD 2303) | Preparation of the draft of Final Report of WG-IOA (reviewed and discussed on 7 th WG-IOA meeting) Preparation of the draft of Final report would be done till November 2023 through | Submission of the Final Report of WG-IOA (to be launched at the 73 rd IECM). (Due to some constraints, discussion of Final Draft of WG-IOA would be discussed at the 9 th meeting of WG-IOA on | Publication and launching of the Final Report of WG-IOA could be conducted during the 75 th IEC meeting of ICID in November, 2023 in Visakhapatnam (Vizag), Andhra Pradesh State, India – the time of which is still |

| 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 | Milestone for year 2022 | Milestone for year 2023 |
|----------------------|---|----------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---|---|----------------------------------|
| | | | | | | | other possible means such as through virtual meeting, outsourcing etc., | April 16-22, 2023 in Beijing, China, then Publication and launching of the Final Report of WG-IOA would be postponed till November 2023). | within the frame work of WG-IOA. |
| | 4.12 Exchange of information and sharing knowledge through case studies on institutional and organizational | Case studies | Exchange of information | | Exchange of information | | Exchange of information | | |

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



**MINUTES OF THE 8TH MEETING OF
WORKING GROUP ON MODERNIZATION AND REVITALIZATION OF
IRRIGATION SCHEMES (WG-M&R)**

08 October 2022, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2023

Scope of work: To investigate, analyse, disseminate information on new developments and to formulate recommendations with respect to: Planning and preparation for modernization and revitalization of irrigation schemes; Interaction between modernization, revitalization, and required operation and maintenance; Cost sharing for modernization, revitalization and required operation and maintenance; Institutional and organizational framework required for modernization, revitalization, and operation and maintenance; Methods and techniques of the lining of conveyance and distribution canals; Canal control systems with respect to their automation, using the internet, mobile communication and remote monitoring in canal operation; Modification to improve communication, operational capacities, and flexibility in operation and maintenance of systems; Standardization and codes of practice in irrigation systems.

Members present: (1) Vice President Hon. Ian Makin, Chairman (UK); (2) Engr. Muhammad Sani Bala, Secretary (Nigeria); (3) Dr. Shinji Fukuda (Japan); (4) Dr. Toshihiko Kuno (Japan); (5) Mr. Mohd Yazid bin Abdullah represented by Eng. Mukhlis Zainol Abidin (Malaysia); (6) Ms. Mona Liza Delos Reyes (Philippines); (7) Mr. Jan Potgieter (South Africa); (8) Dr. Kwang-Sik Yoon (South Korea).

Permanent Observer: Mr. Alok Sikka – IWMI representative (India)

New nominee present: Dr. Hwa-Lung Yu (Chinese Taipei Committee)

Observers: (i) Engr. Abubakar Sirika Ahmad (Nigeria); (ii) Engr. Bezzel Chitsungo (Zimbabwe)

Webpage: http://icid-ciid.org/inner_page/117

WG-M&R Minutes Item 1: Action taken report by Chair

- At the outset, Chair Vice President Hon. Ian Makin welcomed the participants and gave a summary of the actions taken, including the coordination of papers for presentation at an international workshop in Adelaide, support to the core team of survey and norms of the core process of O&M, and development of guidelines on modernization.
- The following nominations for the membership were accepted/ provisionally admitted:

| Sl. No. | Members | Country | Accepted/ Provisionally admitted |
|---------|-----------------------|--------------------------|--|
| 1 | Dr. Hwa-Lung Yu | Chinese Taipei Committee | Accepted ¹ |
| 2 | Dr. Usman Khalid Awan | Pakistan | Provisionally admitted, not present |
| 3 | Dr. Macdex Mutema | South Africa | Provisionally admitted, not present ² |

- After discussion, it was agreed that the WG would not seek an extension of the mandate beyond the next Congress in 2023 but will suggest the restructuring of the activities of the Working Group to another (new) Working Group. Membership status is given in **Annex 3 (page 29)**.

WG-M&R Minutes Item 2: Brief of the virtual meeting organized in February and May 2022

- Three (3) virtual meetings were held in the year, one as a Working Group and twice as a task team, as recommended by ICID President Dr. Ragab. Chair informed the group that in total, 23 responses to questionnaire were received from 21 countries, additionally 4 from China and 3 from Iran. It was noted that respondents generally haven't responded to all the questions. All the responses received to date have been populated into the SPSS software and sent to the members of the core group. Data analysis of the responses is expected to begin shortly.

¹ Dr. Yu was not present but was represented by a colleague, but the Chair had met and discussed with him during the week, and he contributed by phone during the meeting

² Dr. Mutema was turned back at Mumbai, due to visa issues, and therefore could not travel to Adelaide. He was represented by Mr. Jan Potgieter

5. The Group agreed to organize another virtual meeting early in December 2022 to enable new members to meet with other members of the Group, and to (i) review progress made on the analysis of the Norms and Processes survey, (ii) assess progress towards the preparation of the guidelines on modernization, and (iii) schedule the dates for other virtual meetings during the year. The Chair will circulate the agenda for the proposed December 2022 virtual meeting in coordination with ICID Central Office.

WG-M&R Minutes Item 3: Road Map to ICID Vision 2030 – Status of activities on modernization and revitalization

6. The Group discussed the Road Map and agreed the focus of work to the end of 2023 will be the guidelines on modernization, the survey of norms and processes of O&M, and the contribution to the WIF4 in Beijing on Modernization. The group discussed the Road Map to ICID Vision 2030 and provided the latest updates to PCTA for its inclusion (refer to **Annex**).

WG-M&R Minutes Item 3.1: Publication of the WG – Guidelines on modernization

7. The major focus of the meeting was discussing the arrangement for drafting the guidelines. Members of the WG agreed to draft a specific section of the guidelines and the Chair will circulate to all members the draft structure and agreed task assignments.

8. The following members have volunteered to lead the preparation of the following topics:

- (a) Performance measure – Dr. Kuno Toshihiko
- (b) Irrigation & drainage services (Item 3) – Engr. Muhammad Sani Bala
- (c) Definition of modernization (Item 4) - Mr. Jan Potgieter
- (d) Item 4.1 - Dr. Shinji Fukuda
- (e) Management of irrigation system (item 4.3) – Mr. Yazid Bin Abdullah
- (f) Financing (Item 5.2) – Chair VPH Ian Makin will follow up with colleagues from the World Bank/ADB
- (g) Changing needs (Item 5.3) – VPH Ian Makin and Ms. Mona Liza Delos Reyes
- (h) Stakeholders (Item 5.4) - Mr. Jan Potgieter and Dr. Shinji Fukuda

WG-M&R Minutes Item 3.2: Develop norms of O&M of Irrigation systems

9. Dr. Delos Reyes gave a summary of the response to the questionnaire circulated by the CO, informing the WG that 23 responses were received. These have been encoded into SPSS software, and the data set has already been shared with other members working on the norms for comments. Dr. Mohsen Barahimi contacted the Chair after the meeting to inform the core group that IRNCID is collating additional questionnaires from schemes in Iran and will forward the completed templates once it is available.

10. Dr. Shinji Fukuda informed the meeting that they are working on additional questionnaires with irrigation systems in Japan, and he made a short presentation on data availability for land improvement districts.

11. The Group agreed to have a virtual meeting to discuss progress on both the guidelines and norms on the second Monday of December 2022 in coordination with the Central Office.

WG-M&R Minutes Item 3.3: Condensed overview of Key books, manuals, and Guidelines

12. The Chair drew attention to the publications added to the WG website by the CO and encouraged members to recommend other relevant publications. This can be sent to the Chair or to ICID Central Office directly.

WG-M&R Minutes Item 3.4: Exchange of information, knowledge & networking

13. WG organized the International Workshop on Modernizing Irrigation and Drainage Services on 6 October 2022 in Australia with a focus on the arrangements for the provision of irrigation services (see **item 5**). The chair encouraged members to share relevant publications, reports, and documents related to the mandate of the group to the ICID Central Office for uploading on the WG website. These papers and presentations will also contribute to the completion of the Guidelines document.

14. The Guidelines on Modernization and Survey of Norms and Processes for Operation and Maintenance of Irrigation and Drainage Systems will be finalized for publication in 2023.

WG-M&R Minutes Item 4: Updating Multilingual Technical Dictionary (MTD)

15. Dr. Mohsen Barahimi has been contributing to updating the MTD over the course of the year. The Chair enjoined members to consider contributing and if any member has come across any definition that needs translation can also contact the Chair or the Central Office. IRNCID is negotiating with various universities to control the translations before sending them to ICID, and the translation process is also being followed up.

WG-M&R Minutes Item 5: Adelaide 2022 – International workshop – publication of results of survey findings, review of progress towards guidelines document

16. The International Workshop on Modernizing Irrigation Services held in Adelaide attracted over 30 abstracts of which 12 papers were received and 12 were presented. About 40 participants attended the workshop. The papers and presentations will be available on the website of group. It was proposed to consolidate the papers and presentations into *PDF* format including a short introduction and conclusion section for wider dissemination.

WG-M&R Minutes Item 6: Beijing – WIF4 – 2023 – International Workshop and publication of Guidelines on Modernization of Irrigation and Drainage

17. The WG discussed the option to hold the workshop in Beijing but concluded that, given the focus of WIF4 on modernization, the WG members will seek to contribute to discussions and panel sessions on each of the Themes of WIF4. The guidelines will be published in the draft ahead of WIF4.

WG-M&R Minutes Item 7: Any other business

18. As a new initiative, ICID has launched a new website (<https://icid-ciid.org>) to meet the new web technologies. Members were requested to review and update their information using their credentials and help ICID Central Office to maintain accurate information.

19. Regarding the World Irrigation and Drainage Schemes (WI&DS), Chair encouraged members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details were outlined on the portal <<https://wip.icidevents.org/>> in detail.



Annex [Appendix XXVII, Item 3]

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 | Milestone for Year 2022 | Milestone for Year 2023 | Responsibility |
|--|--|--|--|--------------------------|------------------------------------|-------------------------|---|---|---|--|
| Goal A: Enable higher crop productivity with less water and energy | | | | | | | | | | |
| A1. Strategy: Modernizing irrigation systems | 1.4 Preparation and presentation of Case studies | Compilation of Case Studies | 6 Case Studies | 5 case studies presented | 9 Case Studies | | | Selected case studies to address key missing aspects | Edited volume of case studies – published on the ICID website | Authors of case studies |
| | 1.5 Prepare an overview paper on State of the Art on Modernization of Irrigation Systems | State of the Art Paper | | State of the Art Paper | State of the Art Paper re-arranged | Cancelled | | | | |
| | 1.6 Develop Guidelines for Modernization of Irrigation systems | Guidelines (This is to be reviewed and possibly revised in Mexico in 2017) | | | Release Guidelines in WIF3 | | | | Release Guidelines | Lead Authors (Ian Makin, Dong Din, Sani Bala) |
| A2. Strategy: Improving O&M of Irrigation Systems | 2.1 Advocacy paper to draw attention to the need of adequate resources for O&M | Advocacy paper | | | | | | | | |
| | 2.2 Develop norms of O&M of Irrigation systems | Technical Report | | | | | Survey developed and submitted for distribution to ICID NCs | Survey to be sent out by CO – Q1, 2022 Analysis and draft report by Q3, 2022 | Final report on Norms and processes – presented at WIF 4, Beijing | Core writing team, led by Mona Liza del le Reyes |
| Goal B: Be a catalyst for change in policies and practices | | | | | | | | | | |
| B1. Strategy: Supporting development of appropriate policies | 1.9 Prepare position Paper on Key Issues on Modernization of Irrigation Schemes | Position/Policy Paper of ICID | | | | | | | | |
| Goal C: Facilitate exchange of information, knowledge and technology | | | | | | | | | | |
| C1. Strategy: Providing knowledge sharing platform for AWM professionals | 1.5 Organize Workshops, Seminar and Symposium on modernization | Compilation of proceedings | Main Theme of Congress, Inputs to Congress | | Full-day workshop on modernization | | | International Workshop in Adelaide in 2023 | | Ian Makin |
| Goal F: Facilitate capacity development | | | | | | | | | | |
| F4. Strategy: Developing and sharing AWM knowledge | 4.4 Condensed overview of Key books, manuals and Guidelines | Book Overview | | | | | | | | Ongoing – all members of WG_M&R |

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



**MINUTES OF THE 7TH MEETING OF THE
WORKING GROUP ON IRRIGATION DEVELOPMENT AND MANAGEMENT (WG-IDM)**

08 October 2022, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2023

Scope: (a) assessment of consumptive use of water for irrigation and resulting water balance at system level; (b) water demand management according to available resource(s) and system capacity; (c) assessment of water loss in various components of irrigation systems, appraisal of water made available for another use downstream (non-consumptive); (d) ground water development and management for irrigation including conjunctive use of surface and groundwater in irrigation, artificial recharge of aquifers from canals "losses" and "excessive" irrigation; (e) water measuring methods and devices and relevant technology (flow rates and volumes); (f) drivers for and resistances at system level to improve irrigation management; (g) social issues to be considered along with technical and economical ones; (h) management of multi-use hydraulic systems, and interdependence between uses; (i) performance evaluation of irrigation schemes and benchmarking; (j) ways towards economic performance enhancement (cost reduction and efficiency improvement).

Members Present: (1) Mr. Ahmet Seren (Acting Chair, Vice Chair (Turkey)); (2) Dr. Katsuyuki Shimizu, Secretary (Japan); (3) Dr. Narges Zohrabi (Iran); (4) Prof. L.B. Roy – Direct Member (India); (5) Dr. Akie Mukai (Japan); and (6) Dr. Sheng-Wei Wang (Chinese Taipei Committee).

Observers: (i) Jen Yao Wu (Chinese Taipei Committee); (ii) Engr. Garba Bello (Nigeria); (iii) Engr. Anthea Udo (Nigeria); (iv) Engr. Oyebankole Agbelusi (Nigeria); (v) Ijsbrand De Jong (The World Bank).

Website: http://icid-ciid.org/inner_page/118

WG-IDM Minutes Item 1: Action taken report by Chair

1. Vice-Chair Mr. Ahmet Seren welcomed all the members and conducted the meeting as Acting Chair on behalf of Ms. Mary Jean Gabriel. The Chair presented the report on the actions taken on the decisions and proposals of the working group at its last meeting held in November 2021.

2. The group reviewed the membership of the WG which includes four new nominations viz. Mr. Mohamad Radzi Bin Abdul Talib (Malaysia), Dr. Khumbulani Dhavu (South Africa), Dr. Hwa-Lung Yu (Chinese Taipei Committee), and Dr. Sheng-Wei Wang in place of Dr. Ming Young Jan (Chinese Taipei Committee). Dr. Sheng-Wei Wang was present during the meeting and accepted as a 'Member' while the other three professionals were accepted as 'Provisional Members' due to their non-attendance (*refer to Annex 1*). Membership status is given in **Annex 3 (page 29)**.

WG-IDM Minutes Item 2: Road Map to ICID Vision 2030 – Status of activities on irrigation development and management

3. After discussion, the latest update of the Road Map to ICID Vision 2030 was reported by the chair to PCTA (*refer to Annex 2*) as follows:

- (a) **Regarding the "Goal A - Strategy A1 - Activity 1.1.** Develop a program for introducing standards for irrigation systems", Dr. Wang-Shen Wei (Chinese Taipei Committee) agreed to submit the draft of the report by November 2023 at 75th IEC in November 2023 in place of Mr. Ming-Young Jan (Chinese Taipei Committee).
- (b) **Regarding the "Goal A -Strategy A1 – Activity 1.2.** Report or case studies on recent development in Irrigation drainage Management", Mr. Ahmet Seren made a presentation on the title of "Irrigation facilities spatial information system".
- (c) **Regarding "Goal B -Strategy B1 – Activity 1.14.** Report on South-South cooperation for capacity development in the field of irrigation management", members agreed to confirm Ms. Mary Jean Gabriel on the contents of the report through e-mail discussion/ virtual meetings.

- (d) Dr. Narges Zohrabi announced that the “Workshop on Empowerment and Capacity Building of Women in Bio-resource Management” under the International Research Program for Irrigation and Drainage (IRPID) will be held in December 2022. After the workshop, a webinar will be organized in coordination with WG-CDTE.
- (e) **Regarding “Goal C - Strategy C4- Activity 4.17.** Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD)”, the item was transferred to Dr. Sheng-Wei Wang (Chinese Taipei Committee) in place of Dr. Ming Young Jan. He agreed to prepare the draft by November 2023 before the 74th IEC meetings.
- (f) **Regarding “Goal B - Strategy B3 – Activity 3.1.** Assess methods and develop guidelines on relevant water balance approach”, Dr. Amgad Elmahdi (Australia) agreed to submit the draft by November 2023 at 74th IEC through e-mail before the WG meeting.
- (g) **Regarding “Goal A - Strategy A6- Activity 6.7 -** Identify drivers and social resistances within the systems to improve Irrigation management”, the draft was submitted by Mr. Ahmet Seren however, a response from Mr. Ian Makin is awaited.
- (h) **Regarding “Goal C - Strategy C1 - Activity 1.3.** Organize Workshop, Seminar and Symposium on Water Balance Approach”, Dr. Amgad Elmahdi (Australia) agreed to hold a symposium by November 2023 at 74th IEC.
- (i) Dr. Akie Mukai (Japan) submitted the draft report of Goal D - Strategy D2 - Activity 2.3. “Investigating and documenting the social and economic impacts of irrigation systems”. He made a presentation during the WG meeting. The contents were briefly reviewed among WG members and Dr. Akie will revise and submit the report after getting feedback from the WG members by November 2023. Chair requested ICID Central Office to recirculate the draft report.
- (j) **Goal E - Strategy E6 - Activity 6.2.** “Investigate and report on the state of research, barriers or locks and promising paths in the field of irrigation management” was discussed among the WG members and Dr. L.B. Roy agreed to prepare “A Table of Contents” by November 2023 at 74th IEC.

WG-IDM Minutes Item 2.1: Publication of the WG

4. The Chair requested all members to contribute to bringing out the publication of the working group. There were some comments about the ICID Journal on its slow review process and not frequent issues.

WG-IDM Minutes Item 3: Presentation by the working members

5. At the meeting, the following two presentations were made by the WG members:

- (a) “Study of ET₀ by using Conventional and Soft Computing Techniques in the Eastern Gandak Project in Bihar, India - A Case Study” by Prof. L.B. Roy (Direct Member from India)
- (b) “Irrigation Development & Management Activities in Türkiye” by Mr. Ahmet Seren (Vice Chair, Turkey)

6. The chair encouraged all members of WG to make presentations related to the mandate of the WG. Dr. Sheng-Wei Wang agreed to request Dr. Hwa-Lung Yu to make a presentation at 74th IEC in November 2023.

WG-IDM Minutes Item 4: Exchange of information, knowledge & networking -website

WG-IDM Minutes Item 4.1: Website of the group

7. Chair requested members for their active participation in the activities of the WG and facilitate the exchange of information, knowledge, and experience, as well as networking on the topic in order to keep themselves up-to-date with new developments.

8. Members agreed to prepare a short CV and share them among WG members to get to know each other better. Members also agreed to hold virtual meetings more frequently.

WG-IDM Minutes Item 4.2: Webinar

9. The Chair reported that Dr. Amgad Elmahdi (Australia) through e-mail has agreed to organize a webinar to share his knowledge and experiences on the topic “Operationalizing and institutionalizing WA” before the next WG meeting.

WG-IDM Minutes Item 5: International Symposium on Integrated Approaches to Irrigation Management in the Future, October 2022, Australia

10. The International Symposium on 'Integrated Approaches to Irrigation Management in the Future' was held on 06 October 2022 in Adelaide, Australia. Eleven National Committees i.e. Australia, India, Iraq, Iran, Japan, Korea, Sri Lanka, South Africa, Turkey, Uzbekistan, and Zimbabwe shared their country papers. The chair presented a brief report of the symposium at the meeting. Members agreed that Chair, Vice-Chair, and Secretary synthesize an introduction and the papers together can be used as an output of the WG-IDM.

WG-IDM Minutes Item 6: Updating Multilingual Technical Dictionary (MTD)

11. Due to time constraints, the item was not discussed.

WG-IDM Minutes Item 7: Any other business

12. **ICID Members' Profile Section:** The chair requested members to review and update their information using their credentials by accessing the link - <https://icid.bmeurl.co/C7D4D2E>.

13. **Register on World Irrigation and Drainage Schemes (WI&DS):** Chair briefed about ICID's 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)". Chair encouraged members to urge their NCs to include schemes in their country in the register. The review process and other details are outlined on the portal <<https://wip.icidevents.org/>> in detail.



Annex 1 [Appendix XXVIII, Item 1]

A. Members and their attendance at 2021 and 2022 meetings

| Sl. No. | Members | Member from (Year) | 2021 | | 2022 | | Remarks |
|----------------------------|--|--------------------|----------------|---------------------|------|---------------------|------------------------|
| | | | Self | Contributed by mail | Self | Contributed by mail | |
| 1. | Ms. Mary Jean M. Gabriel, Chair (South Africa) | 2015 | | • | | • | |
| 2. | Mr. Ahmet Şeren, Vice Chair (Turkey) | 2016 | • | • | • | • | |
| 3. | Dr. Katsuyuki Shimizu, Secretary (Japan) | 2015 | • | • | • | • | |
| 4. | Dr. Wu Jingwei (China) | 2015 | • | | | | |
| 5. | Ir. Mat Hussin Bin Ghani (Malaysia) | 2015 | | | | | |
| 6. | Mr. Waleed Hassan (Egypt) | 2015 | | | | | |
| 7. | Dr. Amgad Elmahdi (Australia) | 2016 | • | • | | • | |
| 8. | Dr. Narges Zohrabi (Iran) | 2016 | | | • | | |
| 9. | Mr. Tariq Altaf (Pakistan) | 2017 | | | | | |
| 10. | Prof. LB Roy – Direct Member (India) | 2018 | • | • | • | | |
| 11. | Eng. El Sayed El Yamani Ali Sarkees (Egypt) | 2018 | | | | | |
| 12. | Dr. (Ms) Eman Ragab Mohamed Nofal (Egypt) | 2018 | • | | | | |
| 13. | Dr. Mukai Akie (Japan) | 2020 | • | • | • | • | |
| 14. | Engr. Ali Mohamed Ahmed Elhaj (Sudan) | 2020 | | | | | |
| 15. | Dr. Gamal Mohamed Elkassar (Egypt) | 2021 | | | | | |
| 16. | Prof. Huang Jiesheng (China) | 2021 | | | | | |
| 17. | Prof. (Ms.) Chen Jing (China) | 2021 | | | | | |
| 18. | Dr. Liu Jing - Young Professional (China) | 2021 | • | | | | |
| 19. | Mr. Mohamad Radzi Bin Abdul Talib (Malaysia) | 2022 | | | | | Accepted Provisionally |
| 20. | Dr. Khumbulani Dhavu (South Africa) | 2022 | | | | | Accepted Provisionally |
| 21. | Dr. Hwa-Lung Yu (Chinese Taipei Committee) | 2022 | | | | | Accepted Provisionally |
| 22. | Dr. Sheng-Wei Wang (Chinese Taipei Committee) | 2022 | | | • | | |
| 23. | Secretary General, ICID | | # ¹ | | | | |
| Permanent observers | | | | | | | |
| (i) | VPH Ian Makin (UK) | 2015 | • | | | | |
| (ii) | VPH Hafied Gany (Indonesia) | 2015 | • | | | | |



¹ Represented

Annex 2 [Appendix XXVIII, Item 2]

ROAD MAP TO ICID VISION 2030 – ALLOCATION OF TASKS

| Goal/ Strategies | Activities | Outcomes/ Outputs | Responsible person |
|---|--|---------------------------------------|--|
| Goal A: Enable higher crop productivity with less water and energy | | | |
| A1. Strategy: Modernizing irrigation systems | 1.1 Develop a program for introducing standards for irrigation systems | Standards for Irrigation and Drainage | Dr. Sheng-Wei WANG |
| | 1.2 Report or case studies on recent development in Irrigation Drainage Management | Case studies Presented in WG meetings | Dr. Narges ZOHRABI Mr. Ahmet SEREN |
| A6. Strategy: Improving performance of irrigation systems | 6.1 Investigating and providing information on the positive amenities, services and goods provided by irrigation systems (in consultation with WG-ENV) | Technical Report | Dr. K SHIMIZU |
| | 6.7 Identify drivers and social resistances within the systems to improve Irrigation management | Report | Mr. Ahmet SEREN Mr. Ian MAKIN (to assist) |
| Goal B: Be a catalyst for change in policies and practices | | | |
| B1.Strategy: Support development of appropriate policies | 1.14 Report on South-South cooperation for capacity development in the field of irrigation management | Report | Ms. M.Jean GABRIEL |
| B3. Strategy: Integrated Irrigation and Drainage Management | 3.1 Assess methods and develop guidelines on relevant water balance approach | Guidelines | Dr. Amgad ELMAHDI Mr. Ian MAKIN (to assist) |
| Goal C: Facilitate exchange of information, knowledge and technology | | | |
| C1.Strategy: Providing knowledge sharing platform for AWM professionals | 1.3 Organize Workshop, Seminar and Symposium on Water Balance Approach | Proceedings | Dr. Amgad ELMAHDI |
| C4.Strategy: Compile, Collate and Share Knowledge and Experiences | 4.9 Condensed overview of existing documents and practical examples on water balance approach | Technical Report | Ms. M.Jean GABRIEL |
| | 4.17 Overview paper on the Irrigation Development for publication in Irrigation and Drainage (IRD) | Technical Paper | Dr. Sheng-Wei WANG |
| Goal D: Enable Cross Disciplinary and Inter-Sectoral Engagement | | | |
| D2. Strategy: Developing Technical Documents in Non-technical Language | 2.3 Investigating and documenting the social and economic impacts of irrigation systems | Technical report | Dr. Akie MUKAI |
| GOAL E : Encourage Research and Support Development of Tools to Extend Innovation into Field Practices | | | |
| E6. Strategy : Dissemination of Useful Research Outputs | 6.2 Investigate and report on state of research, barriers or locks and promising paths in the field of irrigation management | Technical report | Prof. LB ROY |



**MINUTES OF THE 7TH MEETING OF THE
WORKING GROUP ON WATER SAVING IN IRRIGATED AREAS (WG-WATS)**

08 October 2022, 09:00-10:45 hours (Session I) and 11:15-13:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Schemes

Presented by the Chair

Year of Establishment: 2015

Completion of the Mandate: 2023

Scope: (a) water accounting and irrigation auditing (and other ancillary uses); (b) irrigation water measuring devices; (c) assessment of water loss in various components of irrigation systems; (d) various methods and techniques used for water saving in irrigation; (e) policies and strategies for irrigation water saving; (f) charging for Irrigation Services; (g) success stories and best management practices in water saving; (h) tools and processes applied in irrigation water saving; (i) outreach of water saving technologies; and (j) WatSave Awards.

Members present: (1) Vice President Engr. Rafat Nael Abdulghani Al-Intaki, Acting Chair (Iraq); (2) Dr. Ray-Shyan Wu (Chinese Taipei Committee); (3) Ir. Wan Noorul Hafilah Binti Wan Ariffin (Malaysia).

Office Bearer: Vice President Dr. Tsugihiko Watanabe (Japan).

Observers: (i) Engr. Hakibu M. Tanko (Canada); (ii) Dr. Yang Te-Chuan (Chinese Taipei Committee); (iii) Dr. Jih-Shun Liu (Chinese Taipei Committee); (iv) Dr. Ming Yi Chuan (Chinese Taipei Committee); (v) Dr. Huang Han-Jung (Chinese Taipei Committee); (vi) VP Dr Bruno Grawitz (France); (vii) Dr. Daisuke Imamura (Japan); (viii) Dr. Toru Okuda (Japan); (ix) Ir. Mukhlis Zainol Abidin (Malaysia).

Webpage: https://icid-ciid.org/inner_page/119

WG-WATS Minutes Item 1: Selection/ Election of New Chair and Secretary

1. In absence of the Chair, Vice Chair, and Secretary, Vice President Engineer Rafat Nael (Iraq) nominated himself to the Chairmanship of the Working Group. He won the votes of the members present. No one was interested in the position of Secretary so it was proposed to circulate the invitation to all members.

WG-WATS Minutes Item 2: Action taken report by Chair

2. Chair welcomed all the participants and discussed the actions taken on the decisions and proposals of the working group. The group reviewed the membership of the group and accepted Ir. Wan Noorul Hafilah Binti Wan Ariffin (Malaysia) as a 'Member' as she attended the meeting while Dr. Khumbulani Dhavu (South Africa) as Provisional Member due to his non-attendance. Membership status is given in **Annex 3 (page 29)**.

WG-WATS Minutes Item 3: Road Map to ICID Vision 2030 - Status of activities on water saving in irrigated areas

3. The group discussed the Road Map to ICID Vision 2030 and proposed to review it in future meetings (refer to **Annex**).

WG-WATS Minutes Item 3.1: Publication of the WG

(a) Best practices and successful story on water saving

4. There was no presentation due to the non-participation of Dr. Joe Stevens (South Africa). The group noted that in May 2022, Vice President Hon. Dr. Mohamed Wahba (Egypt) shared the electronic version of the book titled "Water Saving in Irrigated Agriculture in Egypt". Members were encouraged to download the book seeing the importance as it addresses water conservation issues.

(b) Policy and legal approaches to water saving

5. In absence of Chair Mehrzad Ehsani and Prof. Jianxin Mu, the item of the updated questionnaire could not be discussed at the Adelaide meeting.

(c) Water Charging Policies

6. In general, the group suggested that the representatives of the National Committee present were encouraged to complete the survey, despite the lack of information about the countries that completed the survey. There was no update on this item due to the non-participation of Chair Mehrzad Ehsani.

(d) State of the art on water saving

7. The item was not discussed due to the non-attendance of Dr. Joe Stevens (South Africa).

(e) Condensed overview of existing key books, manuals, guidelines, and other relevant publications on water saving

8. As Mr. Mortaza Yazdekhashti was not present at the Adelaide meeting, the status of an overview of existing key books, manuals, guidelines, and other relevant publications on water saving was not discussed.

9. Vice President Engr. Rafat Nael Al-Intaki (Iraq) shared the report titled “Project for Sustainable Irrigation Water Management through Water Users Association in IRAQ” with all members present.

WG-WATS Minutes Item 4: Presentation by the WatSave Award winner(s)

10. The group discussed and suggested that representatives of National Committees were encouraged to participate in the WatSave Awards.

WG-WATS Minutes Item 5: Dissemination of activities of WG – Website of the group

11. Vice President Engr. Rafat Nael Al-Intaki (Iraq) requested members to share documents, information, papers, and presentation made on topics related to the scope of work of the WG to the ICID Central Office for uploading on the website of the group.

WG-WATS Minutes Item 6: Updating Multilingual Technical Dictionary (MTD)

12. Vice President Engr. Rafat Nael Al-Intaki (Iraq) briefed the members about the item of updating Multilingual Technical Dictionary (MTD) terms related to the mandate of the group.

WG-WATS Minutes Item 7: Completion of the mandate and preparation of Scoping Document for the establishment of new WG

13. Attendees were reminded about the completion of the mandate of the WG till 2023 to complete the ongoing activities.

WG-WATS Minutes Item 8: Any other business

14. 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, Members were requested to review and update their information using their credentials and help ICID Central Office to maintain accurate information.

15. Regarding the World Irrigation and Drainage Schemes (WI&DS), Vice President Engr. Rafat Nael Al-Intaki (Iraq) encouraged the members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details were outlined on the portal <<https://wip.icidevents.org/>> in detail. The representative of the French National Committee also stated the importance to share the irrigation and drainage scheme owners for contributing to the register.



Annex [Appendix XXIX, Item 3]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORKBODIES

| 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 | Milestone for Year 2023 |
|--|---|----------------------------|---|---|---|--|----------------------------------|----------------------------------|
| GOAL A: ENABLE HIGHER CROP PRODUCTIVITY WITH LESS WATER AND ENERGY | | | | | | | | |
| A3. Strategy: Improving water saving techniques and technologies | 3.1 Support Watsave award winner selection | Awards | Presenting Annual Watsave Awards | Presenting Annual Watsave Awards | Presenting Annual Watsave Awards | Presenting Annual Watsave Awards | Presenting Annual Watsave Awards | Presenting Annual Watsave Awards |
| | 3.2 Best Practices and Successful Story on Water Saving | Documents | Announcing annually for Watsave awards and selecting successful stories | Announcing annually for Watsave awards and selecting successful stories | Announcing annually for Watsave awards and selecting successful stories | Setting up 10 years respective work as the documents and release by CO (2010 - 2020) | | |
| GOAL B: BE A CATALYST FOR CHANGE IN POLICIES AND PRACTICES | | | | | | | | |
| B1. Strategies: Supporting development of appropriate policies | 1.3 Disseminate the water saving award technologies | Workshop proceedings | | | | | | |
| | 1.4 Policy and legal approaches to Water Saving | Policies/ Document | -Workshop -Designing and preparing questionnaire to collect data | Collecting and reviewing relevant laws and regulations from NC | Providing first draft | Finalize the book on policies and strategies drives on water saving | | |
| | 1.5 Water Charging policies | Position paper | Designing Standard questionnaire | Reviewing Water Charging procedure on NC | Providing first paper | Final Paper | | |
| | 1.11 State of the art on water saving | Journal Paper | Preparation of the draft of first paper | Submission of first paper for IRD | Preparation of the draft of second paper | Submission of second paper for IRD | | |
| GOAL C: FACILITATE EXCHANGE OF INFORMATION, KNOWLEDGE AND TECHNOLOGY | | | | | | | | |
| C1. Strategies: Providing knowledge sharing platform for AWM professionals | 1.1 Organize Workshop, Seminar and Symposium | Compilation of proceedings | Workshop | | | Workshop | | |
| C4. Strategy: Compile, collate and share knowledge and experiences | 4.8 Condensed overview of existing key books, manuals, guidelines and other relevant publications on water saving | Technical report | Release the first report | | Release the second report | Release of third report | | |

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



**MINUTES OF THE 4TH MEETING OF THE
WORKING GROUP ON RAINWATER HARVESTING (WG-RWH)**
07 October 2022, 14:00-15:45 hours (Session I) and 16:15-18:00 hours (Session II)
Adelaide, Australia

Strategy Theme: Scheme
Presented by the Chairman

Year of Establishment: 2018

Completion of the Mandate: 2024

Mandate: (a) Promote rainwater harvesting as a natural, local, and efficient source of water in accordance with the key principles of Rainwater Harvesting; (b) Conduct research and provide advice from a range of disciplines: rainwater harvesting, irrigation, and agricultural practices including water management, land use planning, policy environments, and stormwater management; (c) Provide Rainwater Harvesting Codes of Practice suitable for urban and agricultural water use.

Members present: (1) Mr. Geoff Harvey, Chair (Australia); (2) Vice President Hon. Dr. Ding Kunlun (China); (3) Vice President Hisham Ghazali represented by Dato' Hanapi Mohamad Noor (Egypt); and (4) Dr. Alok Sikka – IWMI representative (India).

Webpage: http://icid-ciid.org/inner_page/120

WG-RWH Minutes Item 1: Action taken report by the Chair

1. At the outset, the Chair welcomed the participants and presented a brief report on the action taken on the decisions and proposals of the working group at its last meeting held in November 2021.
2. The group reviewed the new nomination of Prof. Dato' Dr. Nor Azazi Bin Zakari (Malaysia) submitted by the Malaysian National Committee on Irrigation and Drainage (MANCID) for the membership of the working group. As the nominee was not present at the Adelaide meeting, the group accepted him as a 'Provisional Member' until the next meeting of the working group. Membership status is given in **Annex 3 (page 29)**.

WG-RWH Minutes Item 2: Work plan of the WG and Road Map to ICID Vision 2030 – activities on Rainwater Harvesting

3. Chair discussed and reviewed the Road Map to ICID Vision 2030 and shared the latest updates to PCTA for inclusion (refer to **Annex**).
4. A paper on permaculture as a cross-disciplinary framework and catalyst for change for drainage irrigation was presented. Similarly, a paper on "Vision and Roles" for rainwater harvesting was presented. It was decided that all papers will be shared with the ICID Central Office for uploading on the WG website.

WG-RWH Minutes Item 3: Presentation by the Irrigation Australia Rainwater Harvesting Committee – An overview of RWH initiatives & products in Australia

5. The Chair and members presented an overview of rainwater systems and initiatives in Australia. Some observers attended the session and after discussion, it was proposed that the presentations will be uploaded on the website of the WG.

WG-RWH Minutes Item 4: Work jointly with the Working Group on Water Food Energy Nexus on the practice of harvested rainwater utilization

6. Chair informed the member that the action has not been achieved as yet. The chair will try to reach out to WG-WFE-N by end of December 2022 and will report back to WG-RWH.

WG-RWH Minutes Item 5: Exchange of information, knowledge & networking

7. The group noted that minimal information has been shared on the website of the WG. The chair will contact each member of the WG to provide at least one article related to rainwater harvesting by end of December 2022.

WG-RWH Minutes Item 6: Presentation by the working group members

8. The group noted that only 4 members were present during the Adelaide meeting which was disappointing. Therefore, it was proposed that a virtual meeting will be scheduled by end of December 2022.

WG-RWH Minutes Item 7: Any other business

9. **ICID Members' Profile Section:** The chair requested members to review and update their information using their credentials by accessing the link - < <https://icid.bmeurl.co/C7D4D2E> >.

10. **Register on World Irrigation and Drainage Schemes (WI&DS):** Chair briefed about ICID's 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)". The review process and other details are outlined on the portal < <https://wip.icidevents.org/> > in detail.



Annex [Appendix XXX, Item 2]

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 |
|--|---|-------------------|-----------------------------|-------------------------------|--------------------------|----------------------------|----------------------------|----------------------------|
| Goal 1: Enable higher crop productivity with less water and energy | WG Activity 1.1 | | | | | | | |
| Goal 2: Be a catalyst for change in policies and practices | WG Activity 2.1 | | Inaugural meeting work plan | Position standard | Innovation celebration | | | |
| Goal 3: Facilitate exchange of information, knowledge and technology | 3.1 Organize international workshop, seminar or symposium | First workshop | Work plan | Collect codes and legislation | Videos on best practices | Presentation | Presentation | Presentation |
| Goal 4: Enable cross disciplinary and inter-sectoral engagement | WG Activity 4.1 | | Work plan | Work with WG-WFE-N | Training modules | Work with WG-WFE-N | Work with WG-WFE-N | Work with WG-WFE-N |
| Goal 5: Encourage research and support development of tools to extend innovation into field practices | WG Activity 5.1 | | | | | Prepare and submit article | Prepare and submit article | Prepare and submit article |
| Goal 6: Facilitate capacity development | WG Activity 6.1 | | | | | | Organize virtual meeting | |



**MINUTES OF THE 3rd MEETING OF THE
WORKING GROUP ON LAND DRAINAGE (WG-LDRG)**

08 October 2022, 14:00-15:45 hours (Session I)

Adelaide, Australia

Strategy Theme: Scheme

Presented by the Interim Chair

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.

Members present: (1) Dr. Momon Sodik Imanudin, Vice Chair represented by Budi Wignyosukarto (Indonesia); (2) Prof. L.B. Roy – Direct Member (India); (3) Dr. (Ms.) Naoko Koshiyama (Japan).

New nominee: Dr. Evan Christen (Australia)

Office Bearer Hon.: (1) President Hon. Prof. Bart Schultz (The Netherlands); (2) President Hon. Peter Lee (UK); (3) Vice President Hon. Dr. Willem F. Vlotman (Australia).

Observers: (i) Dr. Ruey-Chy Kao (Chinese Taipei Committee); (ii) Mr. Bruno Grawitz (France); (iii) Ms. Nana Ishikawa (Japan); (iv) Dr. Kenji Yasuda (Japan).

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

WG-LDRG Minutes Item 1: Action taken report by Chair

1. At the Adelaide meeting, Dr. Willem F. Vlotman, Vice President Hon., ICID was appointed as the interim Chair of WG-LDRG by Dr. Ragab Ragab, President ICID until new arrangements can be made. Dr. Bernard Vincent has retired from professional work.

2. WG noted that FAO has been proposed to be a ‘Permanent Observer’ of the WG to be represented by Dr. Sasha Koo-Oshima. After discussion, WG agreed that FAO will be a valuable member of the WG and welcomed FAO represented by Dr. Sasha Koo-Oshima as its Permanent Observer recommended accepting the nomination.

3. Irrigation Australia’s Committee on Irrigation and Drainage (IACID) proposed a new nomination of Dr. Evan Christen for the membership of WG. Dr. Christen was present, and he introduced himself to the group. The group recommended that he would be accepted as a new ‘Member’ of the WG from Australia.

4. On 6 October 2022, the Finnish National Committee on Irrigation and Drainage (FINCID) nominated Mr. Olle Haggblom in place of Ms. Helena Aijo for the membership of WG. As Mr. Olle Haggblom was not present at the meeting hence, the group accepted him as a ‘Provisional Member’ until the next meeting. Membership status is given in **Annex 3 (page 29)**.

WG-LDRG Minutes Item 2: Brief of the virtual meeting organized in June 2022

5. Dr. Vlotman informed the members that the minutes of the virtual meeting were sent to him by email just before the meeting as they were not on the WG-LDRG website. Only minutes of the first meeting held on 26 November 2021 in Marrakesh, Morocco is available on the website. The agenda of this meeting was labelled as the 2nd meeting of WG-LDRG. It was recommended to NOT serialize actual and virtual meetings separately, but continue the numbering, i.e. the meeting in Marrakesh as 1, the virtual meeting 2, and the meeting in Adelaide as meeting 3. The

minutes of the 2nd WG-LDRG virtual meeting do not provide additional items mentioned here. They will be covered in various points below.

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

6. The group reviewed the Road Map to ICID Vision 2030 and perceived it as rather uninspiring (refer to **Annex 1**). Updating the database is a standard item and does not need to be in the table. WG decided to review the roadmap in the next meeting of the WG.

WG-LDRG Minutes Item 3.1: Progress on the publication on dry drainage

7. It is unclear what the task force led by Dr. Jingwei Wu from China is, that is developing a scientific paper on dry drainage. It was proposed that ICID Central Office may contact Dr. Wu as she was not present in Adelaide. The group recommended that dry drainage discussions remain as part of the WG-LDRG. It was recommended that Wang Shaoli (China) and Mr. John Gowing of Silsoe (UK) be contacted. Dry drainage is growing trees along channels as is done in Pakistan. It was also practiced in the Lower Indus Basin, Pakistan; irrigated areas surrounded by saline non-cultivated areas. The saline areas only discharged water through the capillary rise.

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

8. The six-year rolling plan (**Annex 2**) was reviewed but did not inspire to significant input. It was stated that maintenance of the drainage database was not mentioned (*refer to sr.no.21 of the agenda, page 225*).

WG-LDRG Minutes Item 4: 14th International Drainage Workshop (IDW14), September 2023, Tajikistan

9. This item was discussed in the meeting of C-CONGR which was attended by several participants from WG-LDRG. It was recommended that 14th IDW be postponed to April-March 2024. This was agreed upon by attendees from Tajikistan that were present in the C-CONGR and IEC approved rescheduling of the 14th IDW from mid-May to mid-June. Other meetings in 2023 are WIF4 & 74th IEC in April and 25th ICID Congress & 75th IEC in November.

WG-LDRG Minutes Item 5: Information on deficit irrigation and discussion on drainage issues

10. Deficit irrigation is also known as resilient irrigation. It is primarily a process/ method to help plants survive during a severe drought. It is thought suitable for almond and olive tree irrigation and seems useful to assess & assist with climate change effects.

WG-LDRG Minutes Item 6: Updating database on 'Drained area in the world'

11. The table of the drained area was downloaded from the website and certain countries were highlighted. The last update was purportedly done in 2021. The tables are very interesting to consultants. More should be done to advertise its existence. This table is also important to be up-to-date as the drainage area is part of the formula that calculates country subscriptions.

12. The drained areas are thought to be underestimated, as often drainage areas are hidden in irrigated areas reported. Hence, further investigation is necessary. It was mentioned that CEMAGREF as a source does not exist anymore. It has merged with other organizations and is now known as INRAE. Participants from the UK and Japan agreed that their numbers (i.e. area under drainage) are low due to the inclusion of drainage areas in irrigated areas.

WG-LDRG Minutes Item 7: Updating Multilingual Technical Dictionary (MTD)

13. It was agreed that the MTD was deemed a very useful tool by consultants present in the meeting.

WG-LDRG Minutes Item 8: Any other business (with permission of Chair)

14. Dr. Vlotman was surprised by the name changes of the Group from WG-DRG to WG-SDRG and now WG-LDRG over the last decades. Considering how important drainage for successful I&D, visibility of the Working Group on Drainage is paramount. He suggested that it continues to be named simply WG-DRG and provisions or guidelines be given to not change it ever again.

15. **Register on World Irrigation and Drainage Schemes:** One participant observed that it is difficult to answer all questions as in the register. The register should have something on performance guidelines, i.e., a database that allows you to compare surface irrigation versus pressurized irrigation. Perhaps benchmarking the schemes (NB this was done extensively possibly a decade ago in Australia!). Partial information should be accepted and updated when

more information becomes available (refer to ICID website; Awards & Recognition; Register of the World Irrigation and Drainage Schemes).

16. Dr. Vlotman presented 2 new drainage materials to pay more attention to: the Capiphon drain and the Hydroluis drain. President Hon. Peter Lee mentioned that hydro-rock, made from basalt material is also a new material to be investigated.

17. The Regional Working Groups (i.e. European and Asian working groups) may be good clearing houses for ideas on/of drainage! Closer cooperation between working groups on drainage aspects is recommended. That is, the WG-LDRG should investigate what is presented in other working groups on drainage and may wish to report their findings in those working groups as well.

18. President Hon. Dr. Bart Schultz informed the group that he is working on collecting information on polders in the world. He briefly showed the online database that he has created and asked to help with identifying polders in the world. The link to the web page on Polders in the World is: <https://www.batavialand.nl/en/cornelis-lelycentrum/water-management-polders>

19. Dr. Evan Christen mentioned that bankless channels as experimented with in Australia are also good for drainage. The group requested him to provide more information.

20. Ms. Naoko Koshiyama reported on the drainage of paddy fields and their assistance with flood control. The group suggested her to send some more information on this topic to the WG-LDRG.

21. Current rules of ICID allow 3 regular members and 1 young professional per country as a member of the working group. It was recommended that this restriction be relaxed to have as 4 regular and 4 young professionals as members. Alternatively, it can allow as many as interested in being a member of the working group. This is to stimulate that potential active members can join even if there are already 2 officially accepted.



Annex 1 [Appendix XXXI, Item 3]

ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

| Goals/ Strategies | Activities | Outcomes/ Outputs | Milestone for Year 2021 | Milestone for year 2022 | Milestone for year 2023 | Milestone for year 2024 | Milestone for year 2025 | Milestone for year 2026 |
|--|---|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Goal C: Facilitate exchange of information, knowledge and technology | | | | | | | | |
| C4. Strategy: Compile, collate and share knowledge and experiences | 4.23 Collection and compilation of drainage irrigation data | Database | Updating database | Updating database | Updating database | Updating database | Updating database | Updating database |
| Goal E: Encourage Research and Support the Development of Tools to Extend Innovation into Field Practices | | | | | | | | |
| E5. Strategy: Compilation of Global Data Sets on Irrigation and Drainage | 5.3 Datasets for Drainage Area | | | | | | | |

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



Annex 2 [Appendix XXXI, Item 2.2]

SIX-YEAR ROLLING PLAN OF THE WORKING GROUP

| Particulars/ Mandate | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | Actor (s) |
|---|------|------|------|------|------|------|------|-------------------------------------|
| Mailing of Scoping Document to members of WG-SDRG and NCs | | | | | | | | Central Office |
| Comments received on Scoping Document | | | | | | | | Established Team |
| Finalizing Scoping Document and detailing the Work plan | | | | | | | | Established Team and Central Office |
| Invitation to NCs for nominations | | | | | | | | Central Office |
| Submission of nominations | | | | | | | | National Committees |
| 1st Meeting, Approval of document and acceptance of nominees | | | | | | | | Members and Permanent Observers |
| Exchange of information and overview of key books and other publications | | | | | | | | Members and Permanent Observers |
| Collecting data of world drained area | | | | | | | | Members and POs |
| Collaboration to organize the 14th International Drainage Workshop, if any | | | | | | | | Members, POs and Central Office |
| Preparation and presentation of reports and/or case studies | | | | | | | | Members and POs |
| Collecting and reviewing manuals, guidelines, codes of practice, etc. | | | | | | | | Members and POs |
| 2nd Meeting of WG in the next meeting of ICID, including Workshop | | | | | | | | Members and POs |
| Preparing ICID codes of practice and standards for drainage systems | | | | | | | | Some members |
| 3rd Meeting of the WG | | | | | | | | Members and POs |
| Evaluation of WG activities and update mandates | | | | | | | | Some Members |
| Preparation of an overview paper on state of the art for publication in IRD Journal | | | | | | | | Some members |
| 4th Meeting of WG including Workshop | | | | | | | | Members and POs |
| Collaboration to organize the 15th International Drainage Workshop, if any | | | | | | | | Members, POs and Central Office |
| 5th Meeting of WG | | | | | | | | Members and POs |
| 6th Meeting of WG including Workshop | | | | | | | | Members and POs |
| Planning for establishing the new WG | | | | | | | | Some Members |



**MINUTES FOR THE 8TH MEETING OF THE
SUB-COMMITTEE ON THEMES, TOPICS AND WORK PLANS OF
FUTURE ICID EVENTS (SC-E-THEMES)**

06 October 2022: 11.15 – 13.00 Hours
Adelaide, Australia

The SC-E-THEMES meeting was cancelled due to low attendance of the members.



