Minutes of the 8th Meeting of the Working Group on Capacity Development, Training and Education (WG-CDTE)

6 November 2023, 14:00-15:30 Hours (Session-I)
6 November 2023, 16:00-17:30 Hours (Session-II)
Visakhapatnam (Vizag), Andhra Pradesh State, India

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) Er. Ashok Kumar Kharya (India); (4) Dr. Tony Chih –Sheng Chen (Chinese Taipei Committee); (5) Dr. Akie Mukai (Japan); (6) Ms. Li Ruoxi (China) as Young Professional; and (7) Mrs. Narges Zohrabi (Iran).

Observers: (i) Dr. Hiroki Mina Kaua (Japan); (ii) Ir. Wan Noorul Hafilah Ariffin (Malaysia); and (iii) Prof. L.B. Roy (India).

Website: http://icid-ciid.org/inner_page/129

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

1. The Chair presented the report on the actions taken on the decisions and proposals made during the last meeting of the working group held in 2022 at Adelaide, Australia. The highlights of the report were as below:

   (a) Organized a virtual meeting of the WG-CDTE on 02 August 2023
   (b) About 11000 members in AfYP-Forum in LinkedIn
   (c) About 1200 members in ICID YP Forum
   (d) About 45 Af-Countries and 10 Non-Af-Countries in WhatsApp groups
   (e) In regular touch with all groups - sharing ICID news updates, available reports, online activities, opportunities etc.
   (f) Organized a webinar on: “Empowerment and capacity development of women in water resources management
   (g) Organized a webinar on: “Towards the utilization of Agricultural drainage benefits for facing future challenges and achieving sustainability.”
   (h) A 3-day Training Workshop on Virtual Irrigation Academy (VIA) was held during 16-18 March 2023 at University of Pretoria in South Africa
   (i) Organized 6th Af-YP-Forum under the platform of CWW2023

WG-CDTE Minutes Item 2: Review the mandate and membership of the WG

2. The WG reviewed the new nominations received and admitted them as below:

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<tr>
<th>Sl. No</th>
<th>Members</th>
<th>Country</th>
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<tbody>
<tr>
<td>1</td>
<td>Eng. Abdulsamed Bazer</td>
<td>Turkey</td>
<td>Accepted as Provisional member</td>
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<tr>
<td>2</td>
<td>Eng. Gurhan Demir</td>
<td>Turkey</td>
<td>Accepted as Provisional member</td>
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**WG-CDTE Minutes Item 3:** Virtual meetings organized in 2023

4. A virtual meeting of the WG-CDTE was organized on 02 August 2023 wherein eleven members participated. During the meeting, 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 programmes; workshops, webinars, and e-discussions etc. The minutes of the virtual meeting have been shared at https://icid-ciid.org/inner_page/152.

**WG-CDTE Minutes Item 3.1:** Memorandum of Understanding (MoUs)

5. The Chair Dr. Wahba informed the group about the MoUs as below:

   (a) MoU has been signed with the Russian NC
   (b) MoU’s are in progress with Chinese Academy of Science, HRC and Tinshue University in China
   (c) Contact has been made with institutions in Turkey and UAE for more MoU’s

6. The Chair encouraged all members to contribute to strengthen the cooperation between and among universities and research centers and help exchange their activities to promote the knowledge and information exchange thereby supporting capacity building of YP’s.

**WG-CDTE 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 as per the mandate and updated (Annex-1) the activities related with capacity development, training, and education. The Chair requested the members to propose new activities and actively contribute for the remaining tenure of the WG i.e. up to 2027.

**WG-CDTE Minutes Item 5:** Promoting capacity development, training, and education

**WG-CDTE Minutes Item 5.1:** Training Programs for YPs in November 2023 during Vizag Meetings

8. The WG supported a one-day Young-Professional Training Program (YP-TP) on “Managing Water Resources towards Achieving Water Security for Improved Livelihood and Sustainable Development” jointly organised by ICID, India European Water Programme (IEWP) and Central Water Commission (CWC) on 05 November 2023 at Vizag during 25th ICID Congress. The participants in the training program actively contributed to the ‘IEWP-CWC Side Event’ and Technical Sessions of the 25th Congress as well.

9. The Chair expressed gratitude to the sponsors of the training program - the German Agency for International Cooperation (GmbH) and India-EU-Water Partnership (IEWP).

**WG-CDTE Minutes Item 5.2:** 6th African Young Professionals Forum and Cairo Water Week 2023, 29th October 2022 – 2nd November 2023, Egypt

10. Valuing the importance of partnerships fostered by the International Commission for Irrigation and Drainage (ICID), African Working Group (AFRWG) and its partners, the 6th Virtual Af-YPF was organized under the platform of CWW 2023 during 30 October – November 1, 2023 under the theme “Actions on the climate change impacts and sustainability of irrigated agricultural”. The Forum focused on topics such as sustainable agricultural water management in Africa: Role of ICID, gender issues, Climate change projection in Africa and Mashreq regions, the G20 global land initiative, using aqua crop model and innovative approaches to modernize irrigation: Cases from Jordan and Egypt. This year, 123 African Young Professionals from 35 countries participated in this hybrid Forum.

**WG-CDTE Minutes Item 5.3:** Establish a Task Force on ‘Women’s Empowerment in Water Resources Management’

11. Dr. Narges Zoharabi (Iran), Head of IRPID-Iran, made a presentation proposing the establishment of the Task Force on ‘Women’s Empowerment in Water Resources Management’, given the vital role of women in the management of water resources and agriculture. Women play a central role in providing, managing, and conserving water across the nations. They can significantly contribute to achieving sustainable development goals through

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<tr>
<td>3</td>
<td>Eng. Sefa Eroglu</td>
<td>Turkey</td>
<td>Accepted</td>
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<tr>
<td>4</td>
<td>Dr. Behzad Navidi Nassag</td>
<td>Iran</td>
<td>Accepted</td>
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active participation in the planning and management of water. The Task Force was proposed following the successful hosting of an international virtual webinar on *The empowerment and development of women’s capacity in water resources management*, May 3, 2023, which was co-organized by WG-CDTE, IRNCID and IRPID-Iran. The webinar brought out issues such as strategic importance of water and food security in the ICID vision, maximizing women’s capabilities and indigenous knowledge in agricultural water management and women’s crucial role in addressing water crises etc. It was envisaged that these issues and more can be better addressed through a Task Force in cooperation with ICID National Committees and affiliated networks.


WG-CDTE Minutes Item 5.4: Short terms training courses in WALMIs in India

13. Er. Ashok Kharya (India) made a presentation on ‘Synergizing water education in India’ with special reference to Water and Land Management Institutes (WALMI) in India.

14. Background of WALMIs: In 1980’s, fourteen WALMIs/Irrigation Management Training Institutes (IMTIs) were set up in India to provide need-based trainings with the following objectives:

15. (a) To promote advancement of science and acquisition of scientific knowledge; to provide in-service training of multi-disciplinary nature to staff engaged in water resources/irrigation departments; (b) to undertake activities that will promote optimal use of water and land resources; to conduct workshops, seminars, farmers’ meet and publication of magazines, periodicals etc; and (c) to provide consultancy services in water management and land development for irrigated agriculture.

16. ‘All India WALMIs MEET 2022’ was organized in February 2022 which brought out the following

   (a) Recommendations: Formation of umbrella organization, Restructuring of WALMIs, Uniform service rules for all WALMIs, Cadre and recruitment rules, need for regional centres, Restructuring of training programmes, Faculty exchange/development program among WALMIs, and Annual meeting of WALMIs.

   (b) Er. Ashok Kharya agreed to share the final report of the WALMIs MEET when available. The Chair thanked Er. Kharya for taking lead in this activity.

WG-CDTE Minutes Item 6: Dissemination of Knowledge – Website

17. The Chair informed the group that all the documents, recorded videos and materials of the activities have been shared through the website of ICID.

18. The Chair encouraged the members to contribute and share their activities through the website.

WG-CDTE Minutes Item 7: E-learning programmes as a capacity development tool

19. ICID e-Learning platform is one of the initiatives to strengthen the capacity building activities. In order to achieve the objectives, the Chair always encouraged professionals from member NCs to join the e-learning programs organized by various partners and associates. The Chair has been sharing the invitations to such e-learning programs via various WhatsApp groups.

WG-CDTE Minutes Item 8: WG-CDTE Minutes Item 8: Webinar/Web-based seminar

20. The Chair gave a brief about the webinars which were organized during the year including (i) ‘The empowerment and development of women’s capacity in water resources management’ on 03 May, 2023; and (ii) ‘Towards the utilization of Agricultural Drainage benefits for facing the future challenges and achieving sustainability’ on 29 September 2023. The Chair requested all the members and NC’s to take lead and organize such webinars in 2024.

WG-CDTE Minutes Item 9: Any other business

21. The Chair reminded the members to update their profiles in the ICID Members’ Profile Section. The members were also encouraged to register the irrigation and drainage schemes in their countries at ICIDs Register on World Irrigation Projects (WIP).

22. Restructuring of the Working Group: The Chair informed the group that during the 73rd International Executive Council (IEC) meeting in Adelaide, it was decided by the IEC to look into the possibility of integrating WGs of similar/ close mandates. With consultation of PCTA, PCSO, the Secretary General of ICID, and the ICID Central
office, a tentative new structure was developed. Among the existing 18 groups, nine of them will complete their mandate in November 2023. The remaining working groups proposed to be structured into 11 new working groups under four themes: (1) Irrigation and Drainage (Long-term activities); (2) Natural Resources (Medium-term activities); (3) Climate Change Impact (Medium to long-term activities); (4) Sustainable Development: Capacity Building, History, Institutional and Socio-Economical Aspects of Irrigation and Drainage Schemes. (Long-term activities). The chair informed the members that the proposed restructuring and new structure of the WGs will be deliberated during PCTA and IEC meetings of the 74th IEC meetings. Under these four themes, the WG-CDTE has been included in theme 4 (Sustainable Development and Management). A report on the restructuring of the working groups is given in IEC Annex 4, page 44.
### ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-CDTE

<table>
<thead>
<tr>
<th>Goal</th>
<th>Activity</th>
<th>Outcomes/ Outputs</th>
<th>Milestone for Year 2021</th>
<th>Milestone for Year 2022</th>
<th>Milestone for Year 2023</th>
<th>Milestone for Year 2024</th>
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<tbody>
<tr>
<td>C.5. Strategy: Dissemination of Data, Information, Tools, Knowledge and How Know</td>
<td>5.1 Guide and support organization of seminar/ workshops etc. by WGs and NCs</td>
<td>Networking and exchange of knowledge (development of knowledge portal)</td>
<td>Establishment of more WG-YP’s WhatsApp Groups NC-wise for E-discussion and knowledge exchanges</td>
<td>Encouraging of Establishment of Asian, European, and American Young Professional’s Forum</td>
<td>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 CD)</td>
<td>Meeting with WG’s heads for discussions options for capacity development and road map in this direction</td>
</tr>
<tr>
<td>C.5. Strategy: Dissemination of Data, Information, Tools, Knowledge and How Know</td>
<td>5.2 Awareness of role of ICT in capacity development</td>
<td>Webinars</td>
<td>Organizing webinars/Discussion, collection and analysis of information dissemination of recommendations</td>
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<tr>
<td>E.1. Strategy: Support Improving Research Prioritization in the Countries</td>
<td>1.3 Overseeing activities of Technical Support Unit (TSU)</td>
<td>Capacity development and technical support to NC Diagnostic studies/ Research need assessments (RNA)</td>
<td>Encouraging Pilot farm for innovative technologies</td>
<td></td>
<td>Analysis of the data collected (RNA) . Final report of RNA Technical support services for NC’s and partners</td>
<td>Regular</td>
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<tr>
<td>F.1. Strategy: Enhancing Institutional Capacity Development of</td>
<td>1.1 Provide technical support of National Committees, member and non-member of ICID (TSU)</td>
<td>Study tours Diagnostic studies/ Research need assessments (RNA)</td>
<td>Preparing programs for study tours to pilot farms upon request from NC’s and others</td>
<td></td>
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**Goal C: Facilitate exchange of information, knowledge, and technology**

- E-discussion and Webinars at NC’s levels, regional and global levels
- E-discussion and Webinars at NC’s levels, regional and global levels

**Goal E: Encourage research and support development of tools to extend innovation into field practices**

- Organizing webinars/Discussion, collection and analysis of information dissemination of recommendations
- Organizing webinars/Discussion, collection and analysis of information dissemination of recommendations
- Organizing webinars/Discussion, collection and analysis of information dissemination of recommendations

**Goal F: Facilitate capacity development**

- Regular
- Regular
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</table>
| Member Countries | 1.2 Assisting to find capacity gaps in NC (TSU) | TNA Reports | Collecting information from NC's and Training Centres (letters and emails)  
- Information about regional Training Centres  
- TNA at regional levels  
- Questionnaire to NC's | Data collections  
- Data analysis  
- Finalisation and release of TNA report | Dissemination of final report  
- Actions for training based on TNA report | Actions for training based on TNA report |
| Member Countries | 1.7 Contribute in the process of reorganization of NCs (TSU) | Webinar  
- Group discussions | Online webinars about role of TSU for NC's | Regular | Regular | Regular |
| 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 | 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 |
| F2. Strategy: Support Capacity Development Activities of Member Countries | 2.2 Report on capacity development needs, available training courses, gaps, institutes which can provide training to fill gaps etc. | Study report | 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 | 4th AI-YWP-Forum (CWW2021- October 2021)- virtually  
- YP training programme prior to 5th AIRC on I&D 16-23 November 2021 at Marrakesh, Morocco | Regular | Regular | Regular |
| F3. Strategy: Technical Training of Young Professionals from Member countries | 3.4 Capacity development/ training program on request from NCs | Training of professionals | Organizing yearly African Young Professional forum  
- 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  
- 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 | 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 | Organisation of regional training Program once a year  
- Organization of African Young Professional forum every year |
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</table>
| 3.5 An online directory of institutes providing formal degree/s in Irrigation and Drainage | Online course | • Collection and analysis of information  
• Signing MoUs with relevant institutions for diploma or Msc degree | • Updating of information  
• Online courses | • Updating of information  
• Online courses | • Updating of information  
• Online courses |
| F5. Strategy: Providing Technical Support to NC’s (TSU) | Upon request from NC’s  
• Study tours  
• Diagnostic studies  
• Tailor made training | • Upon request from NC’s  
• Study tours  
• Diagnosis studies  
• Tailor made training | • Upon request from NC’s  
• Study tours  
• Diagnosis studies  
• Tailor made training | • Upon request from NC’s  
• 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)

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1. **PREAMBLE**

Considering the vital role of women in the management of water resources and agriculture, it is essential to fully identify, utilize, and enhance the capacity and capabilities of women in these areas. Women play a central role in providing, managing, and conserving water. They can significantly contribute to achieving sustainable development goals through active participation in the planning and managing of water.

This Task Force was proposed following the successful holding of an international webinar on the empowerment and development of women's capacity in water resources management on May 3, 2023, which ICID IRPID-IRN held in collaboration with CDTE-WG, IRNCID. Considering the strategic priority and importance of water and food security in the ICID vision, it is crucial to fully utilize and maximize women's capacities, capabilities, and indigenous knowledge in the optimal and sustainable management of water resources and agricultural water management. Women can play a crucial role in addressing water crises and adaptation to climate change. This issue can be achieved and strengthened through the collaborative efforts of ICID National Committees and affiliated networks.

2. **AIM AND OBJECTIVES**

The primary aim of this Task Force is to empower women in sustainable water resource management and agriculture water management in ICID member countries. We will achieve this goal by increasing women's participation in decision-making processes and policy development at managerial and governance levels. Empowering women and giving them a more prominent role in managing the water sector can lead to more significant sustainable development and gender equity.

3. **TERMS OF REFERENCE**

(a) Identify the challenges to women's participation in governance and decision-making levels.

(b) Acknowledge the opportunities for harnessing women's capacity to improve water governance and management.

(c) Review the status of women's participation and their role in managing water resources and agricultural water management.

(d) Review existing global experiences and successful international models in women's empowerment in water

(e) Encouragement international organizations to collaborate with this ICID initiative

(f) Providing a platform for joint projects between ICID and international partner

(g) Dissemination of the outcome among related parties

4. **DELIVERABLE**

(a) A collective report on Task Force activity.

(b) Disseminating a news update

(c) Workshops and webinars

5. **COMPOSITION**

The Task Force will consist of a combination of representatives from relevant working groups such as:

(a) CDTE-WG (Working Group on Capacity Development, Training and Education);

(b) IOA-WG (Working Group on Institutional and Organizational Aspects of Irrigation/Drainage System Management);

(c) ICID WFE Nexus WG (Women in Irrigation and Drainage);

(d) National Committees like IRPID-IRN member countries and others;

(e) ICID Regional Working Groups (AFRWG, ASRWG, ERWG, AMRWG);

(f) Collaborating international organizations such as FAO, GWP, World Bank, IWMI, etc.
(g) The PCSO, PCTA, and Vice Presidents of ICID;
(h) Individuals from the private sector
(i) ICID-Young Professional's Forum (IYPeF).

6. **TIME FRAME**

The Task Force will plan and implement its objectives within a three-year timeframe, from 2024 to 2027, with the possibility of extension for up to three additional years.

7. **TARGET AUDIENCE**

(a) All Women working in water management.
(b) Professionals working in the development sector, including those focused on environment and natural resources management.
(c) Scholars and researchers focused on water management, gender studies, environmental studies, and related fields.
(d) Policymakers in the water sector at the local, national, and international levels