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 March 2023.

   (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 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 MoUs 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’s 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 (ACSD) 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 is 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 (Wl&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 goals
   - 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

*****
## ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WG-CDTE

### Goal C: Facilitate exchange of information, knowledge and technology

<table>
<thead>
<tr>
<th>C5. Strategy: Dissemination of Data, Information, Tools, Knowledge and Know How</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>
</tr>
</thead>
</table>
| 5.1 Guide and support organization of seminar/ workshops etc. by WGs and NCs | Networking and exchange of knowledge (development of knowledge portal) | • 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 CD)  
• Meeting with WG’s heads for discussions options for capacity development and road map in this direction | E-discussion and Webinars at NC’s levels, regional and global levels | E-discussion and Webinars at NC’s levels, regional and global levels | E-discussion and Webinars at NC’s levels, regional and global levels |
| 5.2 Awareness of role of ICT in capacity development | Webinars | • 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 | 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

<table>
<thead>
<tr>
<th>E1. Strategy: Support Improving Research Prioritization in the Countries</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>
</tr>
</thead>
</table>
| 1.3 Overseeing activities of Technical Support Unit (TSU) | Capacity development and technical support to NC  
Diagnostic studies/ Research need assessments (RNA) | • 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)  
  o Email's for WG's and NC's, research centres and international experts  
  o 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

<table>
<thead>
<tr>
<th>F1. Strategy: Enhancing Institutional Capacity Development of Member Countries</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>
</tr>
</thead>
</table>
| 1.1 Provide technical support of National Committees, member and non-member of ICID (TSU) | Study tours  
Diagnostic studies/ Research need assessments (RNA) | • Preparing programs for study tours to pilot farms upon request from NC's and others  
• Emails to NC's for Nomination of experts | 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 | • Collecting information from NC's and Training Centres (letters and emails)  
  o Information about regional Training Centres  
  o TNA at regional levels  
  o 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 |
<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>
</tr>
</thead>
<tbody>
<tr>
<td>1.7</td>
<td>Contribute in the process of reorganization of NCs (TSU)</td>
<td>Webinar Group discussions</td>
<td>Online webinars about role of TSU for NC's</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F2. Strategy: Support Capacity Development Activities of Member Countries</td>
<td>2.1 Facilitate donor NCs support joint research, invitations training, YP support program, or membership subscription in certain period (TSU)</td>
<td>Technical Report</td>
<td>Finalisation and dissemination of technical report Sending emails and letters from CO to NC's Dissemination of TSU reports (if any)</td>
<td>Regular Dissemination of TSU reports (if any)</td>
<td>Regular</td>
<td>Regular</td>
</tr>
<tr>
<td></td>
<td>2.2 Report on capacity development needs, available training courses, gaps, institutes which can provide training to fill gaps etc.</td>
<td>Study report</td>
<td>Preparing questioner for TNA Circulation of TNA Data analysis</td>
<td>Finalisation and release of report</td>
<td>Training programs according to TNA at different levels</td>
<td>Training programs according to TNA at different levels</td>
</tr>
<tr>
<td>F3. Strategy: Technical Training of Young Professionals from Member countries</td>
<td>3.1 Develop on-line training and extension material to be used in support of improving irrigation practices and increasing water productivity</td>
<td>Proceedings of the program</td>
<td>4th Af-YWP-Forum (CWW2021- October 2021)-virtuallyYP training programme prior to 5th AIRC on I&amp;D 16-23 November 2021 at Marrakesh, Morocco</td>
<td>Regular</td>
<td>Regular</td>
<td>Regular</td>
</tr>
<tr>
<td></td>
<td>3.4 Capacity development/ training program on request from NCs</td>
<td>Training of professionals</td>
<td>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</td>
<td>Organizing yearly African Young Professional forum Training for IYP-e-Forum during 74th IEC Meeting and 4th World Irrigation Forum (WIF-4) 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</td>
<td>Organising regional training program once a year Organisation of African Young Professional forum every year</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.5 An online directory of institutes providing formal degrees in Irrigation and Drainage</td>
<td>Online course</td>
<td>Collection and analysis of information Signing MoU's with relevant institutions for diploma or Msc degree</td>
<td>Updating of information Online courses</td>
<td>Updating of information Online courses</td>
<td>Updating of information Online courses</td>
</tr>
<tr>
<td>F5. Strategy: Providing Technical Support to NC's (TSU)</td>
<td>Upon request from NC's</td>
<td>Upon request from NC's</td>
<td>Upon request from NC's</td>
<td>Upon request from NC's</td>
<td>Upon request from NC's</td>
<td>Upon request from NC's</td>
</tr>
</tbody>
</table>

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