

**AGENDA FOR THE 6<sup>TH</sup> MEETING OF THE  
WORKING GROUP ON CAPACITY DEVELOPMENT,  
TRAINING AND EDUCATION (WG-CDTE)**

28 November 2021, 14:00-15:45 Hours (Session-I); 28 November 2021, 16:15-18:00 Hours (Session-I)  
Marrakesh, Morocco

**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.

**Website:** [http://icid-ciid.org/inner\\_page/129](http://icid-ciid.org/inner_page/129)

**WG-CDTE Agenda Item 1: Action Taken Report by Chair**

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held in 2020 (virtually).

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

2. During the first virtual meeting of the WG held on 1<sup>st</sup> April 2021, the Chairman reviewed the mandate of the WG and proposed to merge mandate at serial number (i) and (ii), since activities under these items may be overlapping. However, it was decided to relabeling them as sub-activities under (i), as (a) and (b), instead of merging as shown in the above mandate of the WG.

3. In February 2021, ICID Central Office has invited nominations from the National Committees (NCs) for the membership of the WG. In response, the following new nominations have been received for the membership of the working group.

- Mr. Jeff Camkin (Australia)
- Prof. Jiesheng Huang & Ms.Li Ruoxi as Young Professional (China)
- Dr. Moshin Hafeez (IWMI, Pakistan)
- Mrs. Narges Zohari (Iran)
- Ms. Rasha Sarmed (Iraq)

4. Mr. Hasan Basri Yuksel (Turkey) informed that he would continue his membership in the WG. Further, he has prepared a paper on capacity building activities in Turkey as contribution. ICID CO has shared his request to WG Chair for information.

5. Chair in consultation with Vice Chair, Secretary of the WG and the Central Office have updated the membership of the WG as given at **Annex 1** (*refer electronic version for latest list*). New nominations, if any, for the membership received will be processed suitably after the meeting.

**WG-CDTE Agenda Item 3: Brief of the first virtual meeting organized in April 2021**

6. Based on the virtual meetings of the Working Groups (WGs)/Task Forces (TFs), Dr. Ragab Ragab (UK), President of ICID discussed various activities of the WGs/TFs during the second monthly meeting with ICID Central Office on 07 June 2021. President Dr. Ragab has suggested ICID Central Office to contact the Chair, Vice-Chair and Secretary of the WGs and request them to organize at least two virtual meetings in a year apart from the physical meetings organized during the annual IEC meetings of ICID. Accordingly, ICID Central Office has communicated Chair/ Vice Chair and Secretary to organize virtual meeting.

7. The first virtual meeting of WG-CDTE was organised on 1<sup>st</sup> April 2021 wherein seven members participated. During the meeting, Chair discussed various activities being undertaken by the group as part of Road Map to ICID Vision 2030, YP training & educational programmes and workshops, webinars, e-discussions etc. The online Minutes of the WG-CDTE have been circulated to the members of the WG for their information. The minutes of the virtual meeting of all technical working groups have also been uploaded on a dedicated webpage (ICID Workbodies Virtual Meeting) at [https://icid-ciid.org/inner\\_page/152](https://icid-ciid.org/inner_page/152). Chair will provide further updates at the meeting.

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

8. During the virtual meeting, the working group proposes to undertake MoUs with academic institutions/NCs for promoting the capacity development, training and education programmes. WG Chair may like to discuss with members at the meeting.

**WG-CDTE Agenda Item 4: Road Map to ICID Vision 2030 – Status of Activities**

9. The group reviewed the Action Plan on the Road Map to ICID Vision 2030 based on the mandate by updating the activities on capacity development, training and education issues (refer **Annex 2**). During the virtual meeting, the group requested the members to take initiative and identify themselves with particular topic(s) in the revised Action Plan of group (2021-2024) for its implementation. Further, the members of the WG has been requested to share updated list of training institutes/organizations & educational programs, offered in irrigation and drainage in their countries as contribution. In response, Dr. Wen-Pin Shu (Chinese Taipei Committee), member of the WG, has shared a list of training institutes in Chinese Taipei. Chair will provide further updates at the WG meeting.

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

**WG-CDTE Agenda Item 5.1: Training Programs for YPs at Marrakesh, Morocco (ANAFIDE)**

10. As a part of the Capacity Development Training Programme, ICID in association with the Moroccan National Committee on Irrigation and Drainage (ANAFIDE) is planning to organize a five-day training programme from 19-23 November 2021 at the Zephyr Hotel, Marrakesh, Morocco. The theme of the Young Professionals Training Programme is “Micro Irrigation Systems to Mitigate Climate Change Impacts” and six sub-themes are – (i) **Theme 1:** Planning and Feasibility Study – Climate Change and Irrigation Techniques; **Theme 2:** Benefits of participatory approach in development and design – Design of drip irrigation systems; **Theme 3:** Management and Financial constraints – Operating and maintenance (O&M) of drip irrigation systems; **Theme 4:** Introduction of Service Centres – Repair, access to spare parts and irrigation monitoring; and **Theme 5:** Water Accounting; and **Theme 6:** Risk Based, Site-Specific, Irrigation Water Quality Guidelines will be organised. Fifteen (15) young professionals (YPs) have been nominated from NCs for the training programme who are involved in agricultural water management (AWM) within African countries. The aim of the training programme is to provide an opportunity to the African Young Professionals (AfYPs) to have a broader and also in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. A detailed information of the Conference is available at <http://5arcid.ma/en/about/>. The ANAFIDE representative/Chair may provide further updates during the meeting of the WG.

**WG-CDTE Agenda Item 5.2: 3<sup>rd</sup> African Young Water Professional’s Forum (Af-YWPF) held in October 2020 (virtually)**

11. The 3<sup>rd</sup> African Young Water Professionals Forum (Af-YWPF) was organized from 19-21 October 2020 (virtually) under the platform of Cairo Water Week (CWW) at Cairo, Egypt. The three-day event brought together 61 Young Professionals from across Africa who participated in the forum meeting, training workshop, and other activities in convergence with the Cairo Water Week to allow Young Professionals to engage with experts, and stakeholders in the water sector through interactive sessions, hands-on training workshops as well as seminars/sessions. Organized on the theme of “Water Security in Arid Regions: The Road to Dakar 2021” the forum was supported by the United Nations Economic Commission for Western Asia (ESCWA), Arab Center for the Studies of Arid Zones, and Dry Lands (ACSAD), Regional Initiative for the Assessment of Climate Change Impacts on Water Resources, and Socio-Economic Vulnerability in the Arab Region (RICCAR), Global Water Partnership – Mediterranean (GWP-Med), and Islamic Development Bank (IsDB). Having attracted more than 4500 members, the African Young Water Professionals Forum (Af-YWPF) has become an important platform on the African continent for the capacity development of future leaders in water-related sectors. Outside training programs, workshops, and conferences, the forum exists as an e-Forum (Af-YWPeF) on LinkedIn (<https://www.linkedin.com/groups/12143964/>) to keep the active engagement of members and to facilitate knowledge sharing.

12. During the Forum, President Hon. Felix B. Reinders (South Africa), and Er. Ashwin B Pandya, Secretary-General of ICID in the opening session briefed the participants about ICID, its mission, vision, and the establishment of the African Young Water Professionals Forum (Af-YWPF) over the years. Further, Executive Director Harish K. Varma delivered a keynote address on the topic “Water Security from a Global Perspective” with a special focus on arid regions in the closing session (access [http://www.icid-ciid.org/icid\\_data\\_web/nup2020\\_10.pdf](http://www.icid-ciid.org/icid_data_web/nup2020_10.pdf)) for more information). Representative from ENCID/Chair may provide further updates during the meeting.

**WG-CDTE Agenda Item 5.3: 4<sup>th</sup> African Young Water Professional’s Forum (Af-YWPF) during Cairo Water Week 2021, October 2021**

13. The 4<sup>th</sup> African Young Water Professional’s Forum (Af-YWPF) will be conducted in a semi-virtual format during the scheduled timeframe from 24-28 October 2021 during Cairo Water Week 2021 (CWW 2021) under the theme ‘Water, Population, and Global Change: Challenges and Opportunities’. The Forum will be convened during Cairo Water Week from 25-27 October 2021. 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. A detailed information of the Forum is available at <https://www.cairowaterweek.org/> for the participants. Chair will provide further updates at the meeting.

**WG-CDTE Agenda Item 5.4: Short terms training courses like WALMIs in India**

14. During the virtual meeting, it was noted that there are several Water & Land Management Institutes (WALMIs) in India. It is proposed to bring all these Institutes under one umbrella to guide the capacity development activities. These institutes conduct training courses of various duration for national / international participants, such training courses can also be organized upon request from NCs. Possibility of awarding certificates for short courses can be explored. WG Chair may provide further updates at the meeting.

**WG-CDTE Agenda Item 6: Dissemination of Knowledge – Website**

15. The WG website ([http://icid-ciid.org/inner\\_page/129](http://icid-ciid.org/inner_page/129)) 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 WG-CDTE. Members may like to discuss and evolve methodology for sharing of information and updation of WG website. 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.

16. During the virtual meeting, members are requested to share their short CVs (150-200 words) along with passport size photographs for uploading on webpage of the WG for dissemination / record.

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

17. ICID e-Learning platform is one of the initiatives to strengthen the capacity building activities. In order to achieve the objectives, ICID always encourages/ supports professionals from member NCs to join the e-Learning programs organized by various partners. In this regard, ICID supported the idea of development of e-Learning programs as a part of capacity development mandate and to make efforts to gather information on existing e-Learning models on subjects related to agricultural water management (AWM) as well as identify the gaps and compile inventory of national institute and education and training centres through the WG members and the NCs. The following two e-learning training programmes of ICID i.e. (i) Online Certificate Course on Dam and Network Safety Assurance; and (ii) Online Certificate Course on Micro Irrigation Systems (MIS) have been launched by ICID:

- (a) **Online Certificate Course on Dam and Network Safety Assurance:** ICID in collaboration with the Aqua Foundation Academy (India) organized Online Certificate Course on ‘Dam and Network Safety Assurance’. The course was meant for the professionals directly engaged in the works of maintaining and managing the irrigation and multipurpose projects having headworks in form of storage structures of various sizes and associated water distribution networks for providing water to the beneficiaries. The course aimed at improving the skills of the professionals entrusted with the responsibility of directly managing the facilities and ensuring their safety as well as reporting the status to a higher level of management (access <https://www.damsafety.co/> for more information). More than 200 participants from all over the world participated in the course in two batches.

- (b) **Online Certificate Course on Micro-Irrigation Systems (MIS):** ICID in collaboration with the National Water Academy of India and two international industry leaders - Jain Irrigation Systems Ltd and Netafim Irrigation Private Ltd also organized Online Certificate Course on 'Micro-Irrigation Systems (MIS)' (access [http://icid-ciid.org/inner\\_page/135](http://icid-ciid.org/inner_page/135) for more information). The faculty team includes world renowned micro-irrigation experts and field research specialists on adoption of drip and sprinkler systems by farming communities. Micro-irrigation Systems (MIS) are fundamentally designed and operated to economize water application in crop fields. The course covered all aspects of MIS, including Agronomic, Engineering and Management. More than 100 participants from all over the world participated in the MIS course. President Er. Felix B. Reinders (South Africa) inaugurated the Online Micro-Irrigation System (MIS) Course through a Webinar on 'Rationale for Water Saving in Agriculture and An Overview of the Micro Irrigation Systems Course' on 07 October 2020.

**WG-CDTE Agenda Item 8: Webinar/Web-based seminar**

18. The WG supported the suggestions of organizing webinars to promote sharing of vast experience available with ICID fraternity. The ICID CO requested members to provide their suggestions on the topics, based on the mandate of the WG, on which webinar can be considered along with name of the relevant experts who could be contacted to develop webinars.

19. 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](https://icid-ciid.org/inner_page/66). The group may discuss and suggest suitable topics along with names of expert for organizing webinars.

**WG-CDTE Agenda Item 7: Any other business**

20. **ICID Members' Profile Section:** As a new initiative, ICID has launched a new website (<https://icid-ciid.org>) as part of ICID's 70th Anniversary Celebration to meet the new web technologies. One of the newly added web features provides WG members access to their profile section using their dedicated account. ICID CO vide email dated 9 July 2021 < <https://icid.bmeurl.co/C7D4D2E> > informed all members on how to access their account and change their password to maintain accuracy. Members are requested to review and update their information using their credentials and help us to maintain accurate information.

21. **Register on World Irrigation Projects (WIP):** 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 < <https://wip.icidevents.org/> > in detail.



**NOTES FOR CHAIRPERSON:**

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Marrakesh, Morocco after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 29 November 2021.

**A. Members and their attendance at 2019 and 2020 Meetings**

Sl. No.	Members	Member from (Year)	2019		2020		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Dr. Mohamed Wahba (Egypt), Chairman	2020			•		
2.	Dr. Vijay K. Labhsetwar, Vice-Chair	2020	•		•		
3.	Dr. Rajendra S. Poddar (India), Secretary	2020		•	•		
4.	Eng. Abu Obieda Babiker Ahmed Hassan (Sudan)	2016		•	•		Provisional Member
5.	Er. Ashok Kumar Kharya (India)	2020			•		
6.	Dr. Shinji Fukuda (Japan)	2016	#		•		Provisional Member
7.	Dr. Wen-Pin Shu (Chinese Taipei Committee)	2016	•		•		Provisional Member
8.	Dato' Ir. Haji Hanapi Bin Mohamad Noor (Malaysia)	2018	•		•		Provisional Member.
9.	Mr. Gaforzoda Bahkrom (Tajikistan)	2018	•		#		
10.	Dr. Akie Mukai (Japan)	2019	•				Provisional Member
11.	Secretary General, ICID				•		

**B. New Nominations received from the National Committees**

Sl. No.	Name	Country	Remarks
1.	Mr. Jeff Camkin	Australia	Recommended as member, subject to his presence else provisional member
2.	Prof. Jiasheng Huang and	China	Recommended as member, subject to his presence else provisional member
3.	Ms. Li Ruoxi as Young Professional	China	Recommended as member, subject to his presence else provisional member
4.	Dr. Moshin Hafeez (IWMI)	Pakistan	Recommended as member, subject to his presence else provisional member
5.	Mrs. Narges Zohari	Iran	Recommended as member, subject to his presence else provisional member
6.	Ms. Rasha Sarmed	Iraq	Recommended as member, subject to his presence else provisional member

# *Through representation*



**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
<b>Goal C: Facilitate exchange of information, knowledge and technology</b>						
<b>C5. Strategy:</b> 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)	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 Emails 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	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
<b>Goal E: Encourage research and support development of tools to extend innovation into field practices</b>						
<b>E1. Strategy:</b> Support Improving Research Prioritization in the Countries	1.3 Overseeing activities of Technical Support Unit (TSU)	Capacity development and technical support to NC Diagnostic studies/ Research needs 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 needs assessments (RNA) 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
<b>Goal F: Facilitate capacity development</b>						
<b>F1. Strategy:</b> Enhancing Institutional Capacity Development of	1.1 Provide technical support of National Committees, member and non-member of ICID (TSU)	Study tours Diagnostic studies/ Research needs assessments (RNA)	Preparing programs for study tours to pilot farms upon request from NC's and others Emails to NCs 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

Agenda for the 6<sup>th</sup> Meeting of WG-CDTE (72<sup>nd</sup> IEC) – (Ver. Dated 2021-10-28)

Goal	Activity	Outcomes/ Outputs	Milestone for Year 2021	Milestone for Year 2022	Milestone for Year 2023	Milestone for Year 2024
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
	1.7 Contribute in the process of reorganization of NCs (TSU)	Webinar Group discussions	Online webinars about role of TSU for NC's			
<b>F2. Strategy:</b> 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
	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
<b>F3. Strategy:</b> 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	4 <sup>th</sup> 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	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	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

Agenda for the 6<sup>th</sup> Meeting of WG-CDTE (72<sup>nd</sup> IEC) – (Ver. Dated 2021-10-28)

Goal	Activity	Outcomes/ Outputs	Milestone for Year 2021	Milestone for Year 2022	Milestone for Year 2023	Milestone for Year 2024
	3.5 An online directory of institutes providing formal degree/s in Irrigation and Drainage	Online course	Collection and analysis of information Signing MOU's with relevant institutions for diploma or Msc degree	Updating of information Online courses	Updating of information Online courses	Updating of information Online courses
<b>F5. Strategy:</b> 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 form 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)