

**MINUTES OF THE 4<sup>TH</sup> MEETING OF THE  
WORKING GROUP ON CAPACITY DEVELOPMENT,  
TRAINING AND EDUCATION (WG-CDTE)**

05 September 2019, 14:00-16.00 hours (Session I)

05 September 2019, 16.15-18.15 hours (Session II)

Bali, Indonesia

**Strategy Theme: Knowledge**

**Presented by the Chairman**

**Year of Establishment: 2015**

**Completion of the Mandate: 2021**

**Mandate:** (i) Coordinate and guide the knowledge management activities of the Commission and the capacity development activities by various WGs; (ii) Compile the status of training and educational programmes offered in different regions; (iii) Compile the Educational Programs being offered in irrigation and drainage in different regions; (iv) 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; (v) Explore the scope of use of IT in capacity development including distant learning, and implement where feasible; (vi) Make available various tools required for sustainable development; (vii) Oversee the establishment and functioning of a Technical Support Unit for supporting NCs; and (viii) Facilitate the process of balancing education and training requirements, and provision of training services.

**Members Present:** (1) Dr. Shinji Fukuda (Japan) represented by Dr. Mikiko Sugiura (Japan); (2) Dr. Sahdev Singh, Director (KM); and (3) Dr. Vijay K. Labhsetwar (India).

**Observers:** (i) Wen-Pin Shu (Chinese Taipei); (ii) Dato' Ir. Haji Hanapi Bin Mohamad Noor (Malaysia); (iii) Abin Lee (Korea); (iv) Sang Hee Park (Korea); (v) Garba Bello (Nigeria); (vi) Mohammed Olushola Hasimiyu (Nigeria); (vii) Ir. Dupe Bello (Nigeria); (viii) Si Moon Kim (Korea); (ix) Gapar Asan (Malaysia); (x) Dr Elijah Aderibigbe (Nigeria); and (xi) Sunmom K.S. (Nigeria).

**Website:** [http://www.icid.org/wg\\_cdte.html](http://www.icid.org/wg_cdte.html)

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

1. Since the Chair and Vice Chair of the WG could not attend the meeting, Dr. Mikiko Sugiura from Japan was co-opted as acting chair of the group to conduct the meeting with the support of Dr. Sahdev Singh, Director (Knowledge Management) of ICID.

2. The WG reviewed the membership of the group which included two new nominations viz. (i) Dr. Wen-Pin Shu (Chinese Taipei); and (ii) Dato' Ir. Haji Hanapi Bin Mohamad Noor (Malaysia) were accepted as Members. Membership status is given in **Annex 4 (page 27)**.

**WG-CDTE Minutes Item 2: Road Map to ICID Vision 2030 – Status of Activities on capacity development, training and education**

3. The group discussed and reviewed the Action Plan of Road Map to ICID Vision 2030 (refer **Annex**) based on the mandate and the group decided to review it during the next meeting either virtual meeting through WebEx or next face-to-face meeting in September 2020 at Bali, Indonesia due to absence of WG Chair, Vice-Chair and other members of the WG.

**WG-CDTE Minutes Item 3: Promoting capacity development, training and education**

**WG-CDTE Minutes Item 3.1: Updates on activities of Technical Support Unit (TSU)**

4. The WG was apprised on the latest status of Technical Support Programme (TSP) activities. It was informed that TSU was established in 2016 with the overall objective to “undertake capacity development activities in the field of agricultural water management (AWM) in support of rural development” for the national stakeholders. WG appreciated the Korean Rural Community Corporation (KRC) and Korea National Committee of ICID (KCID) for their support the activities of Technical Support Programme (TSP). WG also appreciated IRNCID for supporting capacity development i.e. Workshop on ‘National Water Accounting,’ through IRPID in December 2018 under TSP. WG requested NCs to contribute towards the Fund created for undertaking activities under Technical Support Programme (TSP) through TSU and take full advantage of

activities under TSP. WG also decided to request NCs to depute volunteers to undertake the activities of TSU from time to time.

**WG-CDTE Minutes Item 3.2: International Training Workshop on Water Accounting Programme, 23-26 February 2019 at Tehran, Iran**

5. An International Training Workshop on ‘Water Accounting – Concepts and Tools’ was jointly organised by FAO, ICID and IRPID-IRN from 23-26 February 2019 at two cities of Tehran and Ahwaz (Khuzestan) in Islamic Republic of Iran under Technical Support Programme (TSP). During the workshop, several presentations were made by FAO and ICID representatives, which are available at <<http://irpid-iran.org/>>. Dr. Amgad Elmahdi (Australia) as a Resource Person, made a presentation on ‘Australian Water Reform and National Water Account’ during the workshop. While Dr. Pasquale Steduto and Ms. Domitille Vallee from FAO explained the main concept of water accounting that provides valuable information for water resource planning and management. The outcome/feedback of the training workshop is available at [https://www.icid.org/nup2019\\_3.pdf](https://www.icid.org/nup2019_3.pdf)

**WG-CDTE Minutes Item 3.3: International Young Professionals Training Program (YP-TP), 22-26 April 2019 at Seoul, South Korea**

6. ICID in association with Korean National Committee (KCID) and the Chinese National Committee (CNCID) organised a five-day International Young Professionals Training Programme on the theme “Climate Resilient Smart Irrigation Systems” from 22-26 April 2019 at RC-IEEC in Republic of South Korea. The YP training programme was attended by 34 participants from 17 countries, focused on building resilient irrigation systems around the world in the face of climate change, how these systems may be implemented in different biophysical environments and the advanced technologies that are currently in practice. The training program was followed by an international expert consultation workshop on “Irrigation Technology to Mitigate Climate Change”.

**WG-CDTE Minutes Item 3.4: 1<sup>st</sup> African Young Water Professional’s Forum (Af-YWPF) in October 2018 in Cairo, Egypt and Establishment of AF-IYPeF**

7. The Working Group noted with great satisfaction the successful organization of 1<sup>st</sup> African Young Professional’s Forum (Af-YWPF) in October 2018 by ENCID. The theme of the Forum was “Water Conservation for Sustainable Development”. More than 300 members were present during the Forum.

8. The three-day Training Workshop of the Forum brought together 24 African future water leaders from 12 African countries including Sudan, Morocco, Ethiopia, Kenya, Mauretania, South Africa, Uganda, Nigeria, Malawi, Tanzania, Ghana and Egypt.

9. The workshop included opening and closing sessions, four training workshops and four keynotes speeches given by international experts, with hopes to challenge and inspire young water professionals within the continent about leadership in the research and innovative space and motivate their action.

10. The training workshop exposed participants to important issues such as Water Food Energy Nexus, value engineering, current trends, technologies and research gaps in water resources, irrigation and drainage as well as simulation modelling in irrigation and drainage. It was a good opportunity for YP’s to showcase their knowledge and broaden their perspective to sustainable water management in an international setting, learn from shared experiences to broaden their minds and thinking of new and experienced water professionals.

11. The forum ended with the establishment of Af-YWP Forum, the approval of the forum mandate, selection of the coordinators for the Af-YWP Forum for the years 2018-2020 and concluded with the recommendations such as (a) Continually expose African Young Water Professional to ICID’s aims, objectives, role and activities; (b) Future Training Workshops will draw from gaps in the TNA and discussions held during this training; (c) Foster efforts to make training workshops more interactive and give participants the opportunity to learn from each other; (d) Collaborate, build and establish cooperation with institutions, organizations and agencies whose visions tallies with our objectives; and (e) Discussions and various forum activities shall serve the African Challenges as well as AFRWG-ICID to ensure effectiveness of the Forum.

**WG-CDTE Minutes Item 3.5: 5<sup>th</sup> African Regional Conference on Irrigation and Drainage, 16-19 March 2020, Marrakesh, Morocco**

12. Prof. Bartali, representative from Moroccan National Committee of ICID (ANAFIDE) made a presentation about the Conference and a video also was showed to the member of the group. The ANAFIDE will be organizing the 5th African Regional Conference on Irrigation and Drainage (ARCID) from 16-19 March 2020 in Marrakesh, Morocco to exchange experiences about lessons drawn, innovative technologies and

irrigation development strategies to reduce deleterious impacts of climate change on African agriculture. The 5th ARC will focus on the theme “Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa” considering the need to address the aforementioned challenges to improve resilience in agriculture productivity for ensuring food security for the present and future generations in the African region. The conference will bring together a wide range of participants, including policy decision makers, professionals, academicians and researchers from Africa and beyond working in irrigation and drainage or closely related fields and will provide an opportunity to revisit Moroccan achievements in modernized irrigated agriculture and appreciate historical attractive places in the country. ANAFIDE invites all prospective delegates to attend and contribute to this important regional conference. During Mexico meeting, it was agreed that a training programme for YP’s from African region will also be organized preceding 5AfRC. Members are requested to submit the abstract(s) through email at [bartali.h@gmail.com](mailto:bartali.h@gmail.com), [anafide.ma@gmail.com](mailto:anafide.ma@gmail.com); or by visiting the website <http://5arcid.ma/login/>.

**WG-CDTE Minutes Item 4: Knowledge Management Strategy (KMS)**

13. ICID has come up with a comprehensive KMS and Dr. Singh presented the concept as well as on-going developments in this initiative. Feedback from the WG members were invited to improve the ICID knowledge portal through which the knowledge outcomes of ICID will be made available to the members and other stakeholders for use in their work.

**WG-CDTE Minutes Item 4.1: Dissemination of Knowledge**

14. The WG noted that the website of the Group [http://www.icid.org/wg\\_cdte.html](http://www.icid.org/wg_cdte.html) has been updated. The group requested the members to provide information, papers, presentation made on topics related to scope of the work of the WG to the ICID CO for uploading on the website of the WG.

**WG-CDTE Minutes Item 4.2: Sharing of Knowledge**

15. During the Bali meeting, the group discussed about organization of webinar to share vast knowledge available with ICID fraternity among members of the NCs with the support of WG experts. ICID CO requested the members to participate in the webinar/web-based seminar and also to suggest topics along with name of experts who can be consulted to deliver webinars. The updated Live recording of webinars organized by ICID so far is available at ICID website [http://www.icid.org/icid\\_webinar.html](http://www.icid.org/icid_webinar.html)

**WG-CDTE Minutes Item 4.3: E-learning programmes as a capacity development tool**

16. In the long run, ICID also plans to deliver e-Learning programs for professionals as well as young professionals who might be attracted to such programs for their career development.

**WG-CDTE Minutes Item 5: Any other business**



## Annex [Appendix XVII, Item 2]

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

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
<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)	Regular	Regular	Regular	Regular	Regular
	5.2 Report on role of ICT in capacity development	Study report	Discussion, collection and analysis of information Draft report	Finalisation and release of report	Collection of additional data and information	Update of report	Collection of additional data and information
<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	Regular	Regular	Regular	Regular	Regular
<b>Goal F: Facilitate capacity development</b>							
<b>F1. Strategy:</b> Enhancing Institutional Capacity Development of Member Countries	1.1 Provide technical support of National Committees, member and non-member of ICID (TSU)						
	1.2 Assisting to find capacity gaps in NC (TSU)						
	1.7 Contribute in the process of reorganization of NCs (TSU)						
<b>F2. Strategy:</b> Support Capacity Development Activities of Member Countries	2.1 Facilitate donor NCs supports joint research, invitations training, YP support program, or membership subscription in certain period (TSU)	Technical Report	Finalisation and dissemination of technical report				
	2.2 Report on capacity development needs, available training courses, gaps, institutes which can provide training to fill gaps etc.	Study report	Discussion, collection and analysis of information Draft report	Finalisation and release of report	Collection of additional data and information	Update of report	

	Activity	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
	2.3 Organizer Webinar	Online meeting	Identification of topics and resource persons/institutes	Support development of webinar material and its wider dissemination	Support development of webinar material and its wider dissemination	Support development of webinar material and its wider dissemination	Support development of webinar material and its wider dissemination
<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				International training for YPs in cooperation with KRC/KCID at RC-IEEC, KRC, Korea (April 2019)	YP training programme prior to 5 <sup>th</sup> AfRC on I&D 16-18 March 2020 at Rabat, Morocco	
	3.3 Establishment of a distance learning mechanism	e-learning modules	Identification of topics and resource person/institutes for development of e-learning modules	Development of e-learning modules and its wider dissemination	Development of e-learning modules and its wider dissemination Identification of additional topic etc.	Development of e-learning modules and its wider dissemination	Development of e-learning modules and its wider dissemination
	3.4 Capacity development/training program on request from NCs	Training of professionals	Organisation of regional training program one every year	Organisation of regional training program one every year	Organisation of regional training program one every year	Organisation of regional training program one every year	Organisation of regional training program one every year
	3.5 An online directory of institutes providing formal degree in Irrigation and Drainage	Online course	Collection and analysis of information and its wider dissemination	Update of information	Update of information	Update of information	Update of information
<b>F5. Strategy:</b> Providing Technical Support to NC's (TSU)							

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



