



4.3 REPORT OF THE EXPERT TEAM ON CAPACITY DEVELOPMENT THROUGH WMO TECHNICAL DEPARTMENTS (CDP-ET-TDS)

4.3(1) Report on activities of CDP-ET-TDs

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Members: Dr Somenath Dutta, Prof Dwikorita Karnawati, Prof Peter Odjugo, Ms Nirivololona Raholijao, Dr Anna Timofeeva

Invited Members: Mary Scholes (representative of the Research Board – RB), Jennifer Milton (interim representative of Infrastructure Commission - INFCOM), Roger Stone (representative of Services Commission - SERCOM), Christophe Cudennec (representative of the Hydrological Coordination Panel - HCP), and Omar Chafki (representative of Joint WMO-IOC Collaborative Board (JCB))

1. Meetings

During the reported period, the CDP-ET-TDs held three virtual meetings (Sep. 23rd, November 9th, 2020; January 14th, 2021). The facilitator, Dr. Carla Gulizia, attended a joint meeting with members of the SERCOM and the WMO Services Department on October 5th, 2020. She had also met virtually with the Research Board representative, Prof. Mary Scholes, on January 8th, 2021. The facilitators of CDP-ET-TDs and the ET on Resource Mobilization, Partnerships and Development Assistance (CDP-ET-RMPDA) have closely interacted by email exchange to coordinate actions and avoid duplication of efforts. Communication with the CDP-ET-TDs members and representatives of the WMO Bodies and Technical Commissions was held mainly through the Moodle site, though some communication through personal emails was also addressed for further engagement.

2. Interaction with WMO Technical Departments in the Secretariat

The reports of the CDP-ET-TDs meetings were shared, on a regular basis, not only with the members of the CDP-ET-TDs (through the Moodle site) but also with the WMO Technical Departments by personal e-mail correspondence. The motivation for this, in line with the ToR v (*"work in close collaboration with the appropriate departments in the Secretariat"*), was that they could be aware of the work of the ET as well as contribute if they identify any thing that has an implication on their programme, so they can quickly react. In addition, the Services Department has provided up-to-date information on how the Technical Department is working to support Member capacity development (EC-72 SG presentation, Concept note for a meeting on Implementation Arrangements, State of Climate Services Reports (2019, 2020), and portfolio monitoring – extra-budgetary projects list). The facilitators of the CDP-ET-RMPDA and CDP-ET-TDs were invited to the Twinning Arrangements Meeting which is tentative to occur in early February 2021. The Science and Innovation Department has facilitated a preliminary list of initiatives and courses. The Senior Scientific Officer from the Water and Cryosphere Coordination has informed the priorities established by the HCP which refer to updating of the existing Strategy on Capacity Building in Hydrology and Water Resources 2017-2020 adopted by the Commission for Hydrology in 2016 and endorsed by Executive Council. The final report of the HCP latest meeting in 2020 was also shared through the Moodle site for consideration.

3. Revision of Expert Team's ToRs and Development of Operating Plan

The Terms of Reference (ToRs) of the CDP-ET-TDs were revised. Suggestion for expansion on the ToR item *v.* and addition of item *vi.* is proposed taking into account the ongoing interaction with the WMO Bodies and Technical Commissions representatives, as well as with the rest of the CDP-ETs facilitators. Below the full list of the CDP-ET-TDs ToRs is listed with the suggested adjustment highlighted in red:

Monitor and make recommendations on the following:

- i. Capacity Development of technological infrastructure*
- ii. Capacity development in Services delivery*
- iii. Capacity development in hydrology and water resources*
- iv. Capacity development in research, science and innovations*
- v. Work in close collaboration with the appropriate departments in the Secretariat as well as with WMO Bodies and Technical Commissions*
- vi. Work in close collaboration with the rest of the CDP-ETs identifying possible interactions based on the contributions received by the CDP-ET-TDs invited members*
- vii. Promotion of existing strategies on capacity development in various areas of services delivery, hydrology and water resources, by way of providing advisory on how to support least developed and developing countries*
- viii. Promotion of existing strategies in the areas of research, science and innovation.*

An Operating Plan for internal organization within the CDP-ET-TDs was developed and revised over the three held ET's virtual meetings. A copy of the latest version can be access [here](#). The latter includes the project overview, its goals, deliverables and milestones, required resources as well as expected outcomes.

4. Interaction with WMO Bodies and Technical Commissions through communication with representative members in the CDP-ET-TDs

Nominations for the representatives of WMO Bodies and Technical Commissions have been approved in the course of the second semester of 2020, though several of them were implemented by the end of the 2020. Thus, interactions with some of them could not be fully completed and consequently the corresponding contributions will be encouraged for the next intersessional period. The representatives from the Research Board, INFCOM, SERCOM, HCP, and RTCs have provided relevant information which will be synthesized below. Full reports addressing priorities, needs, recommendations and issues to be considered on capacity development aspects from each of them are available within the working files folder designated for the use of the CDP-ET-TDs in the [WMO Moodle site](#).

The representative of the Research Board, Prof. Mary Scholes, provided several recommendations and issues on capacity development gaps according to each region, mainly focused on developing countries. The emphasis was put on recommending targeting programmes taking into account what kind of capacity development is needed, for whom and by whom. It is relevant to gather this information in a database. In addition, capacity development for Early Career Researchers (ECRs) needs to be addressed independently of the region of origin. Connection between WMO Programmes and ECRs networks, potential integration of ECRs community with international high level panels, are possible ways of bridging this capacity gap. Finally, there is a need to change the paradigm and think not only in terms of capacity development but also in capacity recognition. This would erase the stigma of the geographical

region of origin, if from a developed or a developing country. The latest version of the Concept Note "Innovation in Regions" that the Research Board is preparing was also shared.

The representative of the SERCOM, Prof. Dr. Roger Stone, has gathered and synthesized relevant information regarding capacity developments issues and recommendations based on several Standing Committees feedback. This documentation was uploaded into the Moodle site and discussed with the ET-TDs members who attended the third meeting of CDP-ET-TDs. Dr. Carla Gulizia have extracted particular issues and recommendations that were more aligned with the ToRs of other CDP-ETs and shared these with the respective facilitators.

The representative of the INFCOM, Ms. Jennifer Milton, has provided a report and overview of the identification and monitoring of Capacity Development activities supporting the implementation of new or modified technological systems, observations and infrastructure supporting weather, water, climate and the environment. The latter is still in progress and will be reported to the CDP-ET-TDs in due time after the revision and approval by the INFCOM Management Group.

The representative of the HCP, Prof. Christophe Cudennec, has informed on the principles and recently-launched process of updating the Strategy on Capacity Building in Hydrology and Water Resources.

The representative of the RTCs, Prof. Odjugo Peter, has gathered and synthesized information provided by several RTCs worldwide addressing three main issues: successes, priorities/gaps and recommendations/suggestions. The individual RTCs questionnaire's responses as well as the consolidated final summary report provide relevant insights that could be useful for distributing among the RTCs, as well as with Education and Training Collaborating Partners, for sharing of good practices and fostering collaborations among regions.

4.3(2) Future work plan of CDP-ET-TDs

1. Continuous communication and interaction with CDP-ETs members, representatives from RB, HCP, JCB, SERCOM and INFCOM, as well as with Technical Departments Directors at a regular basis for continuous improvement of coordination and delivery of WMO capacity development activities.
2. In the short-term, closely interact with the HCP representative, Christophe Cudennec, to enhance collaboration from the CDP in the revision of the Strategy on CD in HWR undertaken by HCP.
3. During this first intersessional period, the CDP-ET-TDs mainly focused in addressing what has been done and what were the priorities and needs identified by each of the WMO Bodies and Technical Commissions, based on the contributions received so far. Technical Departments in the Secretariat had also provided some recommendations and further information on their expected activities. The future plan will be focused in assessing the connection between these priorities and identified needs and how the CDP may be instrumental in connecting those with the work that is being done at the regional level. The latter should be focused taking into account not only the specific needs provided by the INFCOM and SERCOM but also considering the global framework towards CD institutional recognition, presented by the RB representative.
4. Local/regional consultations from each of the ET members will be encouraged towards the promotion and sharing of good practices among WMO Members. This will also help in providing case studies to be included in the updated version of the CD Strategy and Implementation Plan (WMO. No. 1133), to be finished by 2022.