

World Meteorological Organization Executive Council Capacity Development Panel

Report of the 5th Meeting (CDP-5)

19-23 September 2022 (in-person&videoconference)

Report of the 6th Meeting (CDP-6)

- Continuation of CDP-5 –

1 and 2 November 2022 (videoconference)

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EXECUTIVE SUMMARY

The fifth meeting of the Capacity Development Panel (CDP-5) was held between 19 and 23 September 2022, in person and for the members not available to travel to Geneva through videoconference. The meeting commenced at 09:00 Geneva time on 19 September 2022. It was opened by Mr John Ogren, vice-chair of CDP, who had kindly agreed to chair the first day of the CDP-5 due to the unavailability of Dr Agnes Kijazi, the Chair of CDP, who chaired the following days of the meeting. The welcome remarks were made by Assistant Secretary-General (ASG) Dr Wenjian Zhang.

The discussions were focused on reviewing the WMO Capacity Development Strategy (CDS), where Panel members expressed their views on the last version of the document and their support on finalizing the draft before WMO Congress in 2023 for approval in connection with the WMO Strategic Plan.

The reports of the Expert Teams of CDP were presented, showing the main activities conducted, findings and recommendations.

The panel widely discussed the new concept of the Consortium of WMO Education and Training Collaborating Partners (CONECT). The CONECT was approved during the 75th meeting of the WMO EC.

The following key recommendations and suggested actions emerged from the meeting:

- Recommendation-1 (CDP-5): Secretariat to organize a 2-day online meeting for CDP members in early November to have a consolidated draft of the CDS which can be submitted for consultancy to the WMO Directors and promoted for approval to the next EC.
- **Recommendation-2 (CDP-5):** In CDP-6, the Expert Teams will present an overarching report regarding their activities from inception and recommendations.
- **Recommendation-3 (CDP-5):** The Secretariat should organise the first meeting of the CONECT before Cg 19

Following the closing remarks of the director ETR, Dr Yinka Adebayo, who appreciated the hard work of the Panel and the outstanding outcomes, the Chair, Dr Agnes Kijazi, declared the fifth meeting of Panel (CDP-5) closed at 15:00 Geneva time on 23 September 2022.

The sixth meeting of the Capacity Development Panel (CDP-6) took place between 1 and 2 November 2022 through videoconference. The meeting commenced at 09:00 Geneva time on 1 November 2022 and was opened by Dr Agnes Kijazi, the Chair of CDP.

The opening remarks were presented by Prof Petteri Taalas, WMO Secretary General. Following the opening remarks, the first day of the meeting was dedicated to CDP

members' inputs to the CDS. The activity reports and recommendations of the CDP Expert Teams for the inter-session period were presented and discussed during the second day. Also, it was discussed the format of the CDP report of the activities during the member's mandate.

In the end of the meeting, the Chair, Dr Agnes Kijazi, appreciated the hard work of the Panel, informed about the cessation of her activity as Chair of CDP, being appointed to another position, and declared the sixth meeting of the Panel (CDP-6) closed at 15:00 UTC on 2 November 2022.

FULL REPORT

CDP5-1. Opening of CDP-5 and Adoption of Agenda

The fifth meeting of the Capacity Development Panel (CDP-5) was held between 19 and 23 September 2022, in person and for the members not available to travel to Geneva through videoconference. The meeting commenced at 09:00 Geneva time on 19 September 2022. It was opened by Mr John Ogren, vice-chair of CDP, who had kindly agreed to chair the first day of the CDP-5 due to the unavailability of Dr Agnes Kijazi, the Chair of CDP, who chaired the following days of the meeting. The welcome remarks were made by Assistant Secretary-General (ASG) Dr Wenjian Zhang.

In his opening remarks, ASG welcomed members to the 5th meeting of the Panel and thanked the Panel for the effectiveness of their work and close coordination with the Secretariat, including WMO Regional Associations and Technical Commissions. ASG appreciated the efforts of CDP and the outstanding outcomes. ASG also highlighted the impact of the CONECT as a global collaboration instrument with the potential to enhance the coordination of capacity development activities across the WMO Regional Associations. ASG also highlighted the importance of CDS as a key to delivering LTG 4 of the WMO Strategic Plan on losing the capacity gap on weather, climate, hydrological and related environmental services. Following the opening remarks, the Chair invited the Panel to review the Agenda, which was adopted as presented.

CDP5-2. Progress report on the Capacity Development Strategy

Mr John Ogren, the Vice-Chair of the CDP, <u>presented a comprehensive update</u> on the review of the Strategy, showing the importance and the impact of the new CDS and encouraged participants to contribute to making the document reviewed for the benefit of WMO Members in the next CDP meeting in November to have a mature document. He also presented the evolution of the document as being at an advanced level to be discussed by the members of the Panel. He introduced the Consultant for this critical activity, Mr Dimitar Ivanov, who contributed significantly to the document's development.

CDP5-3. Presentation of the latest draft version of CDS

Mr Ivanov, in his role of consultant for the development of the Capacity Development Strategy, presented the evolution of the document, from previous editions up to the proposed draft, showing its impact and need for evolution and flexibility. The <u>latest draft of the CDS</u> was presented, and the <u>comments and suggestions on CDS</u> were compiled and will be discussed in the dedicated sessions.

CDP5-4. Updates from WMO Member Services Department and inputs to be considered in the new WMO CDS

Mr Filipe Lúcio, Director of Member Services, presented the expected impact of CDS on Member Service activities, considering the WMO Strategic and Operating Plans. The speaker demonstrated the WMO Regional reform's effect on increasing WMO Regional Associations' efficiency and effectiveness. He also highlighted the five focal elements and the priorities of MS that need to be considered in developing the CDS. The presentation, containing clearly defined foci and priorities, is available here.

CDP5-5. Updates from WMO Services Department and inputs to be considered in the new WMO CDS

An <u>update regarding the activities of the Services department</u> was presented by Robert Stefanski, Applied Climate Services Division. The updates were focused on Aviation meteorology, Climate Services, Agriculture and Marine, highlighting the need for competency-oriented training. The speaker highlighted the Hydrological Coordination Panel's contribution to the CDS development based on accumulated experience since 2004. The full presentation is provided here. Mr Stefanski appreciated that there is necessary to have guidelines for implementing the CDS and to train the users on available meteorological, hydrological or climatological products. The CDP Members appreciated that the Water and Climate Coalition is considered in the CDS and that RTCs are partners to be involved in training on the implementation of the CDS.

CDP5-6. Updates from WMO Infrastructure Department (ID) and inputs to be considered in the new WMO CDS

Ms Jennifer Milton, the Representative for INFCOM on the CDP, delivered a <u>presentation</u> containing contributions from INFCOM and the Infrastructure Department. The role of capacity development in the activities of INFCOM was described in detail. INFCOM had shown a great interest in CD and CDS, ample materials were presented, and discussions had taken place in INFCOM meetings and INFCOM-MG. INFCOM Decisions to support CD are contained in the material in <u>agenda item 6</u>. ID and INFCOM comments and suggestions for improving CDS can be found in the same material.

CDP5-7. Updates from WMO Science and Innovation Department and inputs to be considered in the new WMO CDS

The speaker on behalf of the Science and Innovation Department, Mr Jon Cox, presented the three major research programmes hosted by SID: World Climate Research Programme (WCRP), World Weather Research Programme (WWRP), and Global Atmosphere Watch (GAW). The speaker highlighted that the role of research as a catalyst for Capacity development needs to be continuously considered. Implementation Plan (2024-27) being finalised, WWRP will make society aware of the critical role of weather research and operations. The active role of the three research programmes in capacity development was included in the <u>presentation</u>.

CDP5-8. CDS Review

Following the updates, members of the CDP started discussions, chapter by chapter of the CDS, on the suggestions for improvement and clarifications of the document. The TT members and the Consultant, Mr Dimitar Ivanov, took notes on the position of the CDP to be used for the document's final draft. The final draft of the CDS will be presented to the CDP in the next meeting (CDP-6) that was recommended to take place on 1-2 November 2022.

CDP5-9. Findings on Resource Mobilization, Partnerships and Development Assistance (CDP-ET-RMPDA)

Ms Karen McCourt presented a <u>thorough report of the expert team</u>, starting with a review of CDP TORs/activities, and outputs to date. The activities proposed to Congress 2023 continued the

presentation, followed by the main challenges met by the ET in their activities and mitigation solutions used. Some of the activities from the ET are still to be concluded, and recommendations from these activities will follow once work is complete. Support documents containing the <u>detailed report</u> and the <u>results of the survey</u> of the ET-RMPDA were made available by the ET.

CDP5-10. Findings on Capacity Development in WMO Technical Departments (CDP-ET-TDs)

Dr Carla Gulizia, the facilitator of the CDP-ET-TDs presented the report of the ET, containing the main achievements of the ET, challenges, detailed recommendations and proposed strategies. Also, ideas for future activities were briefly discussed. Amongst others, as significant achievements were presented the outcomes of the Meeting with Technical Commissions (INFCOM, SERCOM) representatives in the CDP held on April 8th, 2022, the collaboration with the HCP-CDP and with the Standing Committee on Marine Meteorological and Oceanographic Services (SC-MMO), particularly the Expert Team on Competencies and Capacity Development (CCD). The ET made available to the CDP a collection of inputs from some of the CDP-ET-TDs members, which gathers concrete successful examples and experiences at the national/regional level focusing on the engagement of academics and NMHSs staff on research, research transfer to operation, and application to improved operational delivery.

Prof Roger C Stone, Vice President, Commission for Weather, Climate, Water, and Related Environmental Services and Applications, provided an <u>overview</u> of some highlighted issues and recommendations obtained from the Standing Committees (and their predecessors as Commissions) within SERCOM and also some coordination aspects.

Based on the outcomes of Dr Gulizias' presentation, CDP commented that there is a need for a communication strategy that needs to be included in the CDS. The CDP's final report, which will be discussed during CDP-6, should be focused on the lessons learned during the mandate of the CDP ETs, and the report will be indeed helpful for the EC and the Secretariat. The CDP appreciated that the Moodle platform maintained by the ETR is an extremely useful tool for distributing information, but the human factor is essential in gathering information.

CDP5-11. Findings on Policy Development and Institutional Matters (CDP-ET-PDIM)

The findings were presented by Dr Winifred Jordaan, detailing the ET Projects as follows: A) Identify the current policy to the compliance and capacity of Members, particularly developing countries, to WMO standards and recommended practices, including the free exchange of data and delivery of services. B) legislative matters, strategic and operating plans that include gender equity action plans. C) Communication, promotion of global meteorology, hydrology and climatology, including authoritative voice common standards and product sharing. D) Advocacy efforts to governments, endusers, and decision-makers on the socioeconomic benefits of investments in NMHSs: E) Develop strategies to assist NMHs in implementing WMO and national requirements (This item will only become active as soon as the WMO strategy has been finalized) and an additional project F) Compilation of best practices from the National Meteorological and Hydrological Services (NMHSs)

considered to be meeting global standards in the delivery of services. Based on the findings, the ET proposed a set of recommendations contained in the <u>support document</u>.

CDP commented that a platform needs to be used for sharing best practices, and it was recommended to build a database using the Moodle platform in coordination with the ETR. The ET recommendations were widely discussed by the Members of the CDP and adopted as presented.

CDP5-12. Capacity Development through Human Resources Development, Education and Training (CDP-ET-HRDET)

The <u>findings of the ET</u> were presented by Dr Winifred Jordaan on behalf of Dr Anna Timofeeva, which was not available to attend the meeting. Dr Jordaan presented the main activities of the ET, as follows: RTC Reviews, Virtual kick-off meeting of ET-HRDET, Participation in the WMO Global Campus Event "Responding to Challenges Beyond the New Normal" Fourteenth WMO Education and Training Symposium (SYMET-14), Meeting of Directors of Regional Training Centres and Education and Training Collaborators, Informal meetings between WMO Capacity Development Panel and Hydrological Coordination Panel, Twentieth Meeting of the Project Team on Implementation of Meteorological Services in the Eastern Part of the EUR Region (PT/EAST/20) ICAO. The recommendations of the ET are included in the <u>report</u> and approved as presented.

CDP5-13. Implementation of Consortium of WMO Education and Training Collaborating Partners (CONECT)

The status of the new concept of the Consortium of WMO Education and Training Partners (CONECT) was <u>presented</u> by Dr Paul Bugeac, showing a brief history of the project up to the approval by EC-75. Also, the proposed initial steps for implementation. As a supporting document was presented the <u>EC decision</u> for approval of the CONECT. CDP Members appreciated that the concept will help better coordinate activities in Global Campus and will contribute to increasing the influence and efficiency of Global Campus.

CDP advise the Secretariat to prepare the program for the first meeting of CONECT which will likely occur between EC and Cg and circulate it to the CDP Members for review and comment.

CDP5-14. Future activities of the CDP

The CDP chair proposed that the future activities of the Panel will need to be discussed during CDP-6, which will take place on 1-2 November 2022, based on the report of the CDP regarding activities since the inception.

CDP highlighted that all ET shared the same challenges: the time dedication of the ET Members, the ToR were quite wide and there needed to be more time to focus on different activities. CDP-6 report on the activities of the CDP since its inception will be a valuable tool to identify and extract objectives that can be achievable.

CDP5-15. Closure of CDP-5

Following the closing remarks of the Assistant Secretary-General (ASG), Dr Wenjian Zhang, the Chair, Dr Agnes Kijazi, declared the fifth meeting of Panel (CDP-5) closed at 12:00 UTC on 23 September 2022.

CDP6-1. Opening of CDP-6 and Adoption of the Agenda

The sixth meeting of the Capacity Development Panel (CDP-6) was held between 1 and 2 November 2022 through videoconference as a follow-up of the outcomes of the CDP-5. The meeting commenced at 09:00 Geneva time on 1 November 2022 and was opened by Dr Agnes Kijazi, chair of CDP. The welcome remarks were made by WMO Secretary-General (SG) Prof Petteri Taalas.

In the opening remarks, SG commended CDP for working hard to fulfil its mandate since its inception. He noted that the Panel has been, through designated representatives, working in close coordination with the activities of the Regional Associations, Technical Commissions, Research Board, HCP and WMO-IOC JCB. The recent decisions of SERCOM-2 and INFCOM-2 to recommend the Executive Council to approve the revised Guide to the Implementation of Education and Training Standards in Meteorology and Hydrology (WMO-No. 1083) and to recommend the WMO Congress the adoption of the proposed amendments to the Technical Regulations (WMO-No. 49) is evidence of this close coordination and the quality of the work overseen by the Panel.

SG noted the progress made on revising the WMO Capacity Development Strategy since the hard work completed in the past meeting of the Panel. He appreciated that CDS is key to the delivery of LTG 4 of the WMO Strategic Plan, on closing the capacity gap on weather, climate, hydrological and related environmental services; and to achieve this, it is very important to create a Strategy that first and foremost is useful to the WMO Members.

Following the opening remarks, the Chair invited CDP to review the <u>agenda</u>, <u>which was adopted</u> as presented.

CDP6-2. Presentation and discussion of comments on the revised draft of CDS

As the first item of the Agenda, the facilitator of the TT, Mr John Ogren and the Consultant, Mr Dimitar Ivanov, presented the CDS draft submitted to the CDP Members for the final adjustments of the document, conducting to the final draft. The draft contains comments and suggestions from the members and collaborators consulted in the development. One of the significant improvements includes adding an appendix containing one best practice example of implementation for each Region (Tanzania, China, Argentina, Barbados, Indonesia, and United Kingdom) to demonstrate that strategy works and how it works. The template for writing good practices cases was made available to the CDP Members

The discussions were made chapter by chapter, and the proposals for increased clarity and improvements were included in the <u>final draft of the document</u>. ASG highlighted the importance of presenting the CDS during the RECO for all Regions.

The Members of CDP recommended that developing guidelines for implementing CDS should be initiated.

CDP6-3. Reports of CDP-ETs and TT

The <u>Report on activities</u> of **CDP-ET-PDIM** was presented by the ET Facilitator, Dr Winifred Jordaan. The <u>presentation</u> generated discussions on finding solutions for better data sharing and training resources.

The <u>Report</u> of the Expert Team for Human Resources Development, Education and Training (**CDP-ET-HRDET**) was presented by Dr Anna Timofeeva. The <u>presentation</u> highlighted the main activities of the ET, the importance of the CONECT, approved during EC-75, and the necessity of implementation of the new BIP.

Dr Carla Gulizia <u>presented</u> the **ET-TD** activities, challenges and recommendations, detailing in the <u>Report</u> the outcomes of the extensive collaboration between the members of the ET, with CDP ETs, and with representative organisms such as SERCOM, INFCOM, WMO Departments, etc.

Ms Karen McCourt submitted to the CDP Members the <u>Report of CDP-ET-RMPDA</u>, containing detailed information on challenges and identified opportunities of the ET. During the <u>presentation</u>, Ms McCourt proposed some priorities for the following period.

Some <u>items from INFCOM-2 of relevance to Capacity development</u> were presented by Ms Jennifer Milton, which informed about the status of WMO's competency frameworks and the knowledge and skill frameworks with links to INFCOM, and highlighted the specific capacity development activities that are planned to be undertaken by INFCOM during 2022-2024.

The Secretariat presented the first draft of the Report of the CDP ETs and TT activities since 2020. and the preliminary structure and the deadlines of the final Report. The activities to be undertaken by the CDP up until Cg-19 and a total of 27 recommendations made from the work already completed by the Panel are contained in the report.

A <u>suggested timeline of tasks</u> for submitting the WCDS to EC-76 was discussed and adopted by the CDP Members. Also, some <u>suggestions for the next CDP</u> were presented by Ms Karen McCourt, and discussed by the CDP Members, highlighting the challenges and opportunities. As a conclusion, Dr Agnes Kijazi, the Chair of the CDP, reiterated the importance of the work of the CDP and highlighted that the work related to the objectives is far from being finished, but Cg will decide if the existence of the Panel will continue.

The final presentation was a brief <u>update from ETR</u>, showing the status of approval of BIPs and the publication of the "Highlights of the Fourteenth WMO Symposium on Education and Training".

In the end of the meeting, the Chair, Dr Agnes Kijazi, appreciated the hard work of the Panel, informed about the cessation of her activity as Chair of CDP, being appointed to another position, and declared the sixth meeting of the Panel (CDP-6) closed at 15:00 UTC on 2 November 2022.

ANNEXES

Annex-I List of Participants CDP-5





CDP Members:

Dr Agnes Kijazi (Chair)

Mr John Ogren (Vice-chair)

Prof. Christophe Cudennec

Dr Somenath Dutta

Dr Carla Gulizia

Dr Winifred Jordaan

Prof. Dwikorita Karnawati

Ms Karen McCourt

Ms Jennifer Milton

Prof. Odjugo Peter

Prof. Mary Scholes

Mr Evan Thompson

Dr Anna Timofeeva

Dr Zhiqiang Wang

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Ms Anni Arumsari (Adviser to Prof. Karnawati)

Ms Noer Nurhayati (Adviser to Prof. Karnawati)

Dr Mulyano R. Prabowo (Adviser to Prof. Karnawati)

Ms Roro Yuliana Purwanti (Adviser to Prof. Karnawati)

Ms Aditya Warman (Adviser to Prof. Karnawati)

Ms Ana Nurjanah (Adviser to Prof. Karnawati)

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Ms Murni Kemala Dewi (Adviser to Prof. Karnawati)

Mr Jimot Sihite (Adviser to Prof. Karnawati)

Ms Nelly Florida Riama (Adviser to Prof. Karnawati)

Mr Eduard Podgaiskii (Adviser to Dr Timofeeva)

WMO Secretariat:

Dr Wenjian Zhang

Mr Filipe Lúcio

Dr Yinka Adebayo

Dr Paul Bugeac

Mr Mark Majodina

Ms Luciane Veeck

Ms Hong Fan

Annex-II List of Participants CDP-6

CDP Members:

Dr Agnes Kijazi (Chair)

Mr John Ogren (Vice-chair)

Prof. Christophe Cudennec

Dr Somenath Dutta

Dr Carla Gulizia

Dr Winifred Jordaan

Prof. Dwikorita Karnawati

Ms Karen McCourt

Ms Jennifer Milton

Prof. Odjugo Peter

Prof. Mary Scholes

Mr Evan Thompson

Dr Anna Timofeeva

Dr Zhiqiang Wang

Advisors and Observers:

Mr Wilbert Muruki (Adviser to Dr Kijazi)

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Ms Anni Arumsari (Adviser to Prof. Karnawati)

Ms Noer Nurhayati (Adviser to Prof. Karnawati)

Mr Mulyano R. Prabowo (Adviser to Prof. Karnawati)

Ms Roro Yuliana Purwanti (Adviser to Prof. Karnawati)

Ms Bagus Rachmat Rievan (Adviser to Prof. Karnawati)

Mr Maman Sudarisman (Adviser to Prof. Karnawati)

Mr Eduard Podgaiskii (Adviser to Dr Timofeeva)

Ms Jimin Kim (Observer)

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Mr Mark Majodina

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