

# **Fifth Meeting of the Capacity Development Panel (CDP)**

## **Capacity Development through Human Resources Development, Education and Training (CDP-ET-HRDET)**

Dr Anna Timofeeva,  
Director,  
Institute for Continuing Education,  
RSHU,  
WMO RTC in Russia

EC-CDP-5  
19 to 23 September 2022  
Geneva

# **CDP-ET-HRDET**

**Facilitator: Dr Anna Timofeeva**

**Members: Dr David Farrell,  
Dr Winifred Jordaan,  
Prof Peter Odjugo,  
Dr Somenath Dutta,  
Mr Zhiqiang Wang**

**Invited members: All CDP Members**

# **Mandate of CDP-ET-HRDET**

- 1. Efforts to increase training and long-term education for developing countries.**
- 2. Address gaps, qualification standards and competency implementation, WMO Regional Training Centres, education and training collaborators and implementation of education and training activities, WMO Global Campus initiative and opportunities.**

# **Mandate of CDP-ET-HRDET**

**3. Review education and training policies, qualification and competency standards, Regional Training Centre assessment practices, and WMO Global Campus activities.**

**4. Identify training needs and give guidance on how to strengthen the capacity of training institutions, as well as recommend training activities to address gaps in formal and continuing education**

**5. Leadership and management issues**

# **Report on CDP-ET-HRDET activities**

**1. Virtual kick-off meeting of ET-HRDET (October 15th, 2020).**

**2. Participation in the WMO Global Campus Event “Responding to Challenges Beyond the New Normal.”  
(online January 20-22, 2021).**

**3. Fourteenth WMO Education and Training Symposium (SYMET-14) (November 22-25, 2021)**

**4. Meeting of Directors of Regional Training Centres and Education and Training Collaborators (26 November 2021)**

**5. Informal meetings between WMO Capacity Development Panel and Hydrological Coordination Panel (02 December 2021; 24 January 2022)**

**6. Twentieth Meeting of the Project Team on Implementation of Meteorological Services in the Eastern Part of the EUR Region (PT/EAST/20) ICAO (29-30 June 2022)**

**7. CDP meetings online & intersessional communication**

**Presentation of the main  
achievements of  
CDP-ET-HRDET**



# **Fourteenth WMO Education and Training Symposium (SYMET-14)**

**and**

**Meeting of Directors of Regional Training  
Centres and Education and  
Training Collaborators**

**Date: 22 – 26 November 2021**

**Theme: “Education and Training During  
a Period of Rapid Change”**

# Members of International Advisory Committee:

**Co-Chairs: Dr Anna Timofeeva  
Professor Andrew Charlton-Perez**

1. Dr Anna Timofeeva, Russian Federation
2. Mr Omar Chafki , Morocco
3. Prof Andrew Charlton-Perez, UK
4. Mr Christophe Cudennec, Professor, France
5. Dr Somenath Dutta, India
6. Dr David Farrell, British Caribbean Territories
7. Dr Winifred Jordaan, South Africa
8. Ms Jennifer Milton, Canada
9. Prof Christoph Mueller, Germany
10. Prof Peter Odjugo, Professor, Nigeria
11. Mr John Ogren ,USA
12. Dr Mary Scholes, Professor, South Africa
13. Mr Roger Stone, Australia
14. Dr Zhiqiang Wang ,China
15. Mr Christopher Webster, New Zealand

# Symposium participants

The Symposium was attended by 280 registered participants from 65 WMO Members, representing developed, developing and least developed countries, all WMO languages, with a gender ratio of 53% female and 47% male.

Participants actively engaged in the presentations and discussions, and over the four days developed conclusions and recommendations which are included in the symposium statement.

Plenary Sessions saw over 160 attendees at many times during the four-day event.

# SYMET-14 Programme

The first day of the symposium was full of plenary sessions. They included 4 introductory keynote presentations:

**Keynote 1:** “Preparing the Earth System Scientist of 2040”, Dr Louis Uccellini, Permanent Representative of United States

**Keynote 2:** “The increasing importance of education and training in promoting the paradigm shift to multi hazard early warning systems for NMHSs”, Prof. Dwikorita Karnawati, Permanent Representative of Indonesia

**Keynote 3:** “A Look at the Future of International Meteorological and Hydrological Education”, Acad. Markku Kulmala, University of Helsinki

**Keynote 4:** “Preparing for the rapid changes required in the operations of hydrological and climate services”, Prof. Komi Sélom Klassou, University of Lomé, Former Prime-Minister of Togo

# SYMET-14 Programme

The keynotes presented on Day 1 of SYMET-14 were recorded and are available in the WMO Vimeo channel (English version). Links to watch each keynote are available at the SYMET-14 website at

<https://etrp.wmo.int/course/view.php?id=220>

**Days 2 and 3** were devoted to discussions in thematic working groups, as well as discussions in regional and language working groups, including panel discussion on the theme “WMO Global Campus: Next Areas of Collaboration”..

# SYMET-14 Programme

**The last day** was mainly devoted to discussing and agreeing on recommendations and adopting the Statement of the Symposium SYMET-14.

The results of the poster session were also summed up

All the recommendations produced by working groups (thematic and regional) were used to write the SYMET-14 Statement. The Statement was shared with all WMO Members in correspondence from the Secretary-General.

The SYMET-14 Report received editorial work and will be published. This will be available in the WMO E-Library.

# **New initiative "Consortium of WMO Education and Training Collaborating Partners (CONNECT)"**

1. The initial concept was presented to ETCOM, which recommended sharing with Technical Departments and Regional Offices, EC Capacity Development Panel (CDP) and SYMET-14. Positive feedback was received from Marine Services Division.
2. The concept was presented and discussed in SYMET-14 (November 2021), receiving more recommendations that helped to refine the concept.
3. The seventy-fifth session of the Executive Council (EC-75) decided to endorse the initiative with the name "Consortium of WMO Education and Training Collaborating Partners (CONNECT)"

# Benefits of the new entity

- Increased cooperation among WMO RTCs, universities and other training institutions and access to existing training for WMO competencies resulting in streamlining the development of education and training programmes and resources by participants;
- Narrowing the gap in the quality of training programmes and resources between training institutions;
- Increased interaction with WMO programmes and Commissions and promotion of compliance with WMO standards;
- Reduction in the overall cost of some training events, thus allowing more persons to receive high-quality training because of the Global Campus quality assurance process;
- Reduction in the environmental impact of training;
- contribute to developing and delivering high-quality products and services by NMHSs and other beneficiaries.



# EXECUTIVE COUNCIL Seventy-Fifth Session 20 to 24 June 2022, Geneva

Decision 3.4(1)/1 (EC-75)  
«Concept Note on Consortium of WMO  
Education and Training Collaborating  
Partners (CONNECT)»

## **Implementation of CONNECT**

The implementation of CONNECT will be discussed during CDP-5 Meeting on Friday – Agenda Item 17.

# Review & Update of BIP-M and BIP-MT



## Initial Survey

Following an Executive Council decision (EC-70) to review the Basic Instruction Package for Meteorologists and Meteorological Technicians (BIP-M and BIP-MT), a global survey was conducted during 2018 to provide initial input to the review process.



## BIPs Review Meeting

The results of this survey were presented and discussed during a meeting held in Geneva 27-28 November 2018. The meeting agreed that review teams should be formed to examine and update the BIPs. Chris Webster (New Zealand) and Winifred Jordaan (South Africa) were appointed to co-chair the review process, which started by setting up 2 working groups to review the BIP-M and the BIP-MT.



## Consultation

From 2019 to 2021 Working Groups lead by Steven Callaghan (United Kingdom) and Coleen Rae (South Africa) reviewed and updated BIP-M and BIP-MT (respectively) in consultation with Members, through additional survey, feedback requests, and online meetings to procure clarifications and address concerns. Final draft of updated BIPs was presented at SYMET-14.



# Milestones of the Review Process

## BIP-MT

## BIP-M

### Reaction to feedback received

BIP-MT draft was revised to include feedback received. Online meetings were held to obtain clarifications and address concerns.

### New format for BIP-MT

BIP-MT was updated and a new format was adopted. The draft was circulated for comments.

### Survey

More detailed survey conducted. 63% of respondents supported changes in the BIP-MT (response rate: 38%).

Updates Presented at SYMET-14

### Final feedback collected

The updated draft, incorporating initial feedback, was distributed to NMHSs, WMO secretariat and commissions, and RTCs for final reviews. Online meetings were held to obtain clarifications and address concerns.

2021

### Early draft of updated BIP-M

An early draft of updates was circulated for review. Feedback resulted in changes and further consultation with NMHSs, universities, and COCOM group.

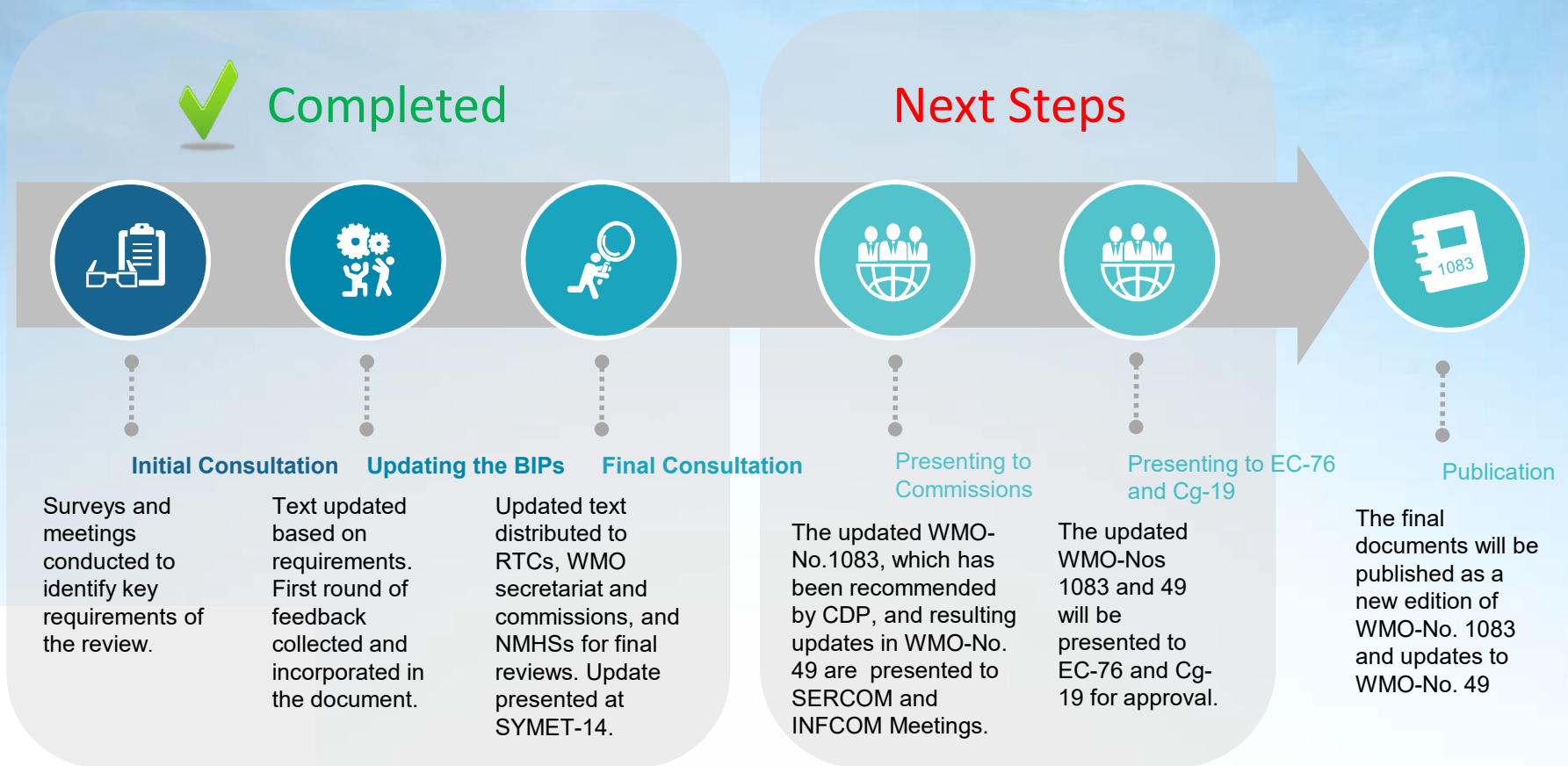
2020

### Key requirements

Using position papers and views presented at the Geneva Meeting (2018), a paper was prepared setting the key requirements of BIP-M review.

2019

# Stages of BIPs Review Process



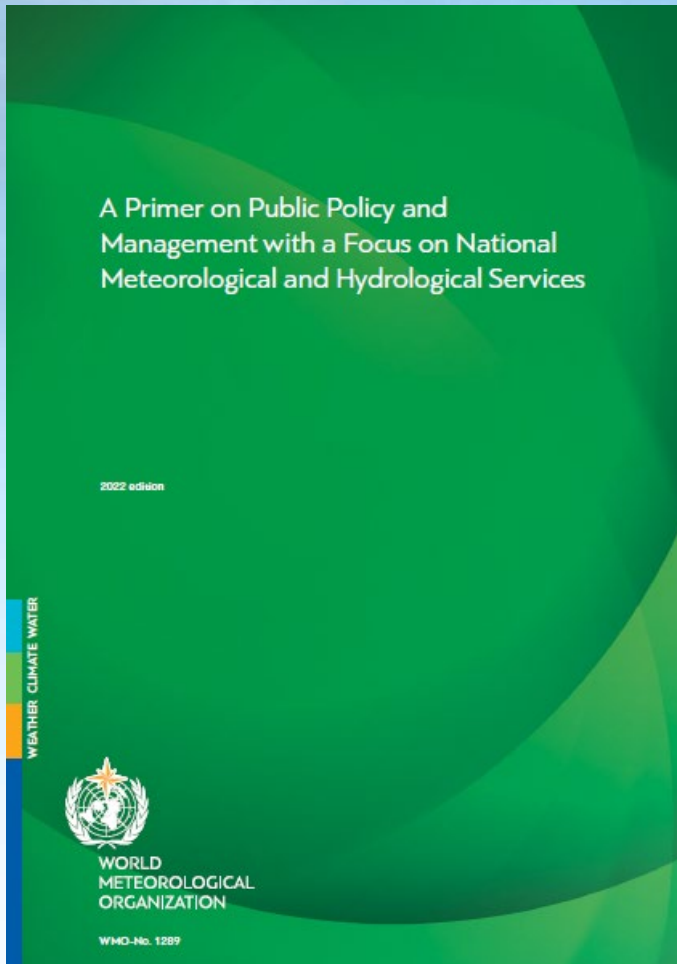
# Decision 4.4/1 (EC-73)

## Recommendations from the Capacity Development Panel

(6) Support and review a publication on leadership and management, based on experiences gained from the training programmes jointly organized by WMO and the Meteorological Service Singapore for Regional Associations II and V since 2018;

Refer to plan: To develop recommendations to RTCs on sustainability of education and training under COVID19 pandemic;

# Leadership & Management



This volume is based on presentations delivered in three workshops at the Lee Kuan Yew School of Public Policy - National University of Singapore between 2018 and 2021. The Meteorological Services Singapore and the World Meteorological Organisation sponsored these workshops. The aim of these workshops and this publication is to convey content on concepts and methods of public policy and management to professionals engaged in Meteorological Services. The volume consists of four parts, namely Public Management, Results and Evidence based Public Management, Economics and Public Management, Communication.

# RTC Reviews

2 RTC review visits completed in 2022

- RTC Italy
- RTC Turkey

2 more RTC reviews are planned in 2022

- RTC Indonesia
- RTC Israel

Members of CDP-ET-HRDET are assisting the review process as part of the external review team.

# First informal meeting between WMO Capacity Development Panel and Hydrological Coordination Panel

02 December 2021

## ACTIVITY AREAS

Hydrology and Water Resources

Hydrology in WMO

- Capacity development in WMO
- Initial ideas for CDP-HCP collaboration
- Assessment Guidelines for E2E FFEWS - a possible pilot case



Discussion of the main challenges  
identified by the CDP-ET-HRDET

# **EXECUTIVE COUNCIL Seventy-Third Session**

## **Decision 4.4(1)/1 (EC-73)**

- (4) Develop strategies to foster engagement of academic and NMHS staff at the local and regional levels on research and research transfer to operation and application to improved operational delivery;
  
- (5) Make recommendations on how to foster systematic contributions from academia towards the enhancement of the research-to-operation continuum which should address approaches to promotion of capacity development and service capabilities in weather, climate, hydrology and environment at regional levels through promotion of collaboration and communication between regional centres such as Regional Specialized Centres, Regional Climate Centres, Regional Training Centres (RTCs), WMO Coordinate the Technical Commissions (SERCOM and INFCOM) in the development of a capacity development framework to support the implementation of their activities;

# Future work of CDP-ET-HRDET until Congress (2023)

- Discussion on CONECT implementation (to be started during the CDP-5 plenary)
- Leadership & Management course planned for 3<sup>rd</sup> quarter of 2022
- Review of RTC Israel – (Jennifer Milton as external member of review team), and RTC Indonesia (Winifred Jordaan as external member of review team).
- Publication of the revision of two WMO documents: 1269 and 1114

**Thank you  
for your  
attention!**



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