

Decision 13 (EC-72)

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Executive Council

Abridged Final Report of the Seventy-second Session

Videoconference

28 September–2 October 2020



Decision 13 (EC-72)

DEVELOPING AND SUSTAINING CORE COMPETENCIES AND EXPERTISE

The Executive Council decides:

- (1) To request the EC Capacity Development Panel to:
 - (a) Evaluate and recommend processes for the assessment of impacts of education and training initiatives offered by WMO Regional Training Centres, the Secretariat and WMO Education and Training Partners, for selected representative initiatives, to ensure the continuous improvement of education and training initiatives by assessing their value to Members;
 - (b) Review and recommend mechanisms for WMO Regional Training Centres and other WMO Education and Training Partners to ensure and document that their curricula follow WMO standards, as outlined in *Technical Regulations, Volume I - General Meteorological Standards and Recommended Practices* (WMO-No. 49), regarding implementation of WMO Basic Instructional Packages (BIPs) and competency frameworks, as further detailed in the *Guide to the Implementation of Education and Training Standards in Meteorology and Hydrology, volume I – Meteorology* (WMO-No. 1083), and the *Compendium of WMO Competency Frameworks* (WMO-No. 1209);
 - (c) Review outcomes of the WMO Global Campus initiative and recommend additional outcomes and methods for further achievement of its objectives;
 - (d) Finalize the process of reviewing the Basic Instructional Package for Meteorologists (BIP-M) and Basic Instructional Package for Meteorological Technicians (BIP-MT) by evaluating the revision proposals put forward by the expert teams and the input on these proposals derived from Members' comments, and that it be submitted to Cg-19 for approval [*Miguel Angel Lopez Gonzalez*];
 - (e) Review the WMO competency frameworks and identify relevant gaps, taking into account the WMO Reform, including competencies in environmental monitoring [*Igor A. Shumakov*].
- (2) To request the Regional Associations, Technical Commissions and the Research Board [I-VP] to:
 - (a) Contribute to the finalization of the revisions of the BIP-M and BIP-MT by contributing expert reviews of the revision proposals and providing comments and recommendations on these proposals;
 - (b) Require documentation of regional training institutions, including WMO Regional Training Centres, of compliance of their curricula with WMO standards, as outlined in *Technical Regulations* (WMO-No. 49), regarding implementation of WMO Basic Instructional Packages and competency frameworks;
 - (c) Contribute to the technical expertise and advice (guided by SC-MMO) and the regional assistance required to facilitate and support the course 'Enhancing Marine Weather Forecasting Services', thereby enhancing learning opportunities for participants;

- (3) To invite Members to:
- (a) Contribute to impacts evaluation of training by requiring the cooperation of participants in training initiatives and their supervisors to provide requested input to post-training evaluation activities;
 - (b) Ask for documentation from the training providers of their staff members when curricula are offered that are intended to address WMO qualification and competency frameworks;
 - (c) Contribute to the finalization of the revisions of the BIP-M and BIP-MT by contributing expert reviews of the revision proposals and providing comments and recommendations on these proposals;
 - (d) Report via the Community Platform on competency assessments carried out within their institutions regarding WMO competency frameworks, utilizing the section on Institutional Information/Part 3, Quality Management;
 - (e) Work together through mobilization of resources towards ensuring a successful delivery of capacity development initiatives on marine meteorology;
 - (f) Provide more opportunities for utilization of distance learning as a way of responding to challenges posed by the COVID-19 pandemic and budgetary challenges, actively using the benefits provided by the WMO Global Campus initiative [*Igor A. Shumakov*].
- (3) To request the Secretary-General to:
- (a) Continue to facilitate the involvement of WMO RTCs and WMO education and training collaborating institutions in WMO capacity development initiatives at regional and national levels as appropriate;
 - (b) Survey WMO Members to prioritize training needs for the next one-to-two years and determine their ability to incorporate online training at the national level [*Arlene Laing*]; Provide support to WMO RTCs and WMO education and training collaborating institutions in coordinating distance learning initiatives at regional and national activities;
 - (c) Conduct a survey on the abilities of WMO RTCs and collaborating institutions to deliver online training, which has increasing demand due to the pandemic, and determine what resources are needed to support continued training [*Arlene Laing*];
 - (d) Provide support and pay more attention to the efficiency of the network of WMO RTCs and WMO education and training collaborating institutions in coordinating distance learning initiatives in regional, non-regional [*Sahar Tajbakhsh Mosalman*] and national activities, including offering the Basic Instructional Packages for Meteorologists (BIP-M) and Meteorological Technicians (BIP-MT) at a distance [*Mrutyunjay Mohapatra*], as a way of responding to the COVID-19 pandemic and budgetary challenges [*Sahar Tajbakhsh Mosalman*];
 - (e) Accelerate the work of the WMO Global Campus initiative to support online training delivery, which has become increasingly important during this period of limited national budgets and international travel affected by the COVID-19 pandemic [*Arlene Laing*];

- (f) Assist WMO RTCs and education and training collaborating institutions to promote capacity development at the levels of leadership and management of NMHSs;
- (d) Further consolidate on the ongoing integrated approach to coordination of education and training initiatives in support of capacity development activities of WMO.

Decision justification:

- (1) Resolution 71 (Cg-18) - The Education and Training Programme and delivery mechanism, Resolution 73 (Cg-18) - Strengthening the capacity of members in service delivery, Resolution 7 (EC-71) - Capacity Development Panel,
- (2) Resolution 32 (EC-70) - Review plan for the Basic Instructional Package for Meteorologists and the Basic Instructional Package for Meteorological Technicians, Resolution 15 (EC-66) - Executive Council criteria for the recognition and reconfirmation of WMO Regional Training Centres, Resolution 70 (Cg-18) - Country Profile Database,
- (3) Recognized gaps in service delivery, are shown in the last surveys: Status of Human Resources in National Meteorological and Hydrological Services - ETR-No.21; WMO Survey of National Marine and Coastal Services (2018) – see Resolution 29 (Cg-18) - Strengthening marine and coastal services; Assessment of the Coastal Inundation Demonstration Forecasting Project (2018) – see Resolution 15 (Cg-18) - Strengthening multi-hazard early warning services in areas prone to all flooding types and severe weather; Outcomes of the WMO 2018 Urban Survey; Survey on Service Delivery (2015), and Outcomes of the 2016-2017 Global Survey on Aeronautical Meteorological Service Provision, AeM Series No. 1,
- (4) WMO Regional Training Centre External Assessment reports recognizing the lack of or limited compliance with standards described in *Technical Regulations* (WMO-No. 49), *Guide to the Implementation of Education and Training Standards in Meteorology and Hydrology* (WMO-No. 1083) and *Compendium of WMO Competency Frameworks* (WMO-No. 1209),
- (5) The first Marine Services Capacity Development course 'Enhancing Marine Weather Forecasting Services' was successfully developed and is intended to be rolled out over a five-year period for more than 70% of Members, as well as the successful commencement in March 2020, for the Spanish speaking Members in RA III and IV, coordinated by the WMO Education and Training Office and Marine Services Division,
- (6) Requests received from the RA V SIDS and RA IV anglophone Members for the course 'Enhancing Marine Weather Forecasting Services' to commence as soon as possible,
- (7) There is the need to enhance the capacity of least developed and developing countries in the area of marine services and resources required to accomplish this objective,
- (8) The need to prioritize those SIDS for which the marine environment represents the largest part of the territory governed by the state and where the maritime sector is a significant contributor to livelihoods, food security, and sustainable development [*Arlene Laing and President of SERCOM*],
- (9) The innovative approach is taken by the Secretary-General on the integrated approach of the Secretariat to the delivery of education and training activities, including capacity

development at the level of management of NMHSs through series of leadership and management programmes.
