

# Policy Development and Institutional Matters (PDIM) Consolidated CDP Expert Teams' Report

## 1. Introduction

The consolidated TOR were:

- A) Current gaps to compliance of members to WMO standards and recommended practises including identification of gaps in policies addressing capacity and free exchange of data
- 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, end-users, decision-makers on the socioeconomic benefits of investments in NMHSs:
- E) Develop strategies to assist NMHSs to implement WMO and national requirements: Later an additional Tor was given to the team that concentrated on list of best practise.
- F) Compile best practices from the National Meteorological and Hydrological Services (NMHSs) considered to be meeting global standards in the delivery of services. This compilation to be used in promotion of standards worldwide

## 2. Activities

Regular online meetings were called. In the beginning, two meetings were called between the official report back sessions and then one meeting to get information. The reason for the meetings were: a) first divide the workload between the team members and b) to get feedback on the progress from the team members as each team had a team leader and members. It was up to the different teams to find ways to gather information and move forward.

From the start, each team drafted their own objectives and outcomes so that it could be submitted to the panel. For the 3<sup>rd</sup> official panel meeting, it became clear that not only were there duplications in the listed project details, but there were many inactive team members. Where possible, the projects with related objectives were then collapsed into one project with the hope that the teams will make progress. This was circulated for discussions and consensus were reached with the active team member. Progress still stayed slow due to the limited human resources.

**Looking at the simplified task the following reports were provided with the minimum people working on the projects:**

- A) Task A -Concentrate on current gaps to compliance of members to WMO standards and recommended practises including identification of gaps in policies addressing capacity and free exchange of data
  - Concentration was given to the data policies development as it was a critical issues for NNMHSs that depend on the capital that the selling of data is bringing in followed.

- The 2021 Extraordinary World Meteorological Congress (11-22 October) approved the WMO Unified Data Policy, along with two other sweeping initiatives – the Global Basic Observing Network (GBON) and the Systematic Observations Financing Facility (SOFF) – to dramatically strengthen the world’s weather and climate services through a systematic increase in much-needed observational data and data products from across the globe. The ultimate goal of the activities coordinated through WMO is to enable the citizens and economies of all WMO Members to benefit from weather, climate and related environmental services. This is accomplished via the meteorological value chain, which starts with observations, our basic source of knowledge about the atmosphere and the climate system and ends with effective decision-making based on the services they enable. The full value chain thus touched all functions of a NMHS. The capacity development requirements thus falls in all functions.
- Another issue registered is with the implementation of the free data exchange; To assist with the free data exchange it was suggested from the group that there need to be a gateway to withdraw the data and that will take development and financial commitment that is not available in most NMHSs. It is suggested that a generic programme that can withdraw data be made available that will serve the purpose.
- A list of the standards and competencies was made. As the aviation competencies are mandatory, it was of course necessary to follow that. Luckily these issues are carefully handled with the ICAO audit in the different countries.
- Other competencies will have to wait until there is a real need unless there is a specific request. Marine might be identified as important as well.
- To follow the implementation of new BIP-M and BIP-MT curriculums will be critical as well. It was noted with disappointment that for some countries, the Meteorological/Meteorological Technician structure of the WMO 1083 was not followed and this will have to be addressed in future through thorough communications.
- It must be noted that the updated BIPs (updated WMO 1083) will only be approved in Congress 2023. This is important as it now include the specialization roles the Meteorological Technician can follow. This will have to be addressed with the communication to the PRs of the countries.

**B) legislative matters, strategic and operating plans that include gender equity action plans**

- After a review of draft 4 of the Capacity Development Strategy, it was noted that the topic of gender equality was not addressed. The unintentional omission has been noted by the vice chair of the CDP and the topic of gender equality will be added.
- Best practice on how Members put gender equity action plans in their national legislative matters, strategic and operating plans would be very helpful to other Members.

**C) Communication, promotion of global meteorology, hydrology and climatology including authoritative voice common standards and product sharing.**

- Product sharing are encouraged, and it is of interest to follow. Product sharing should also include collection of training materials, including any reference, module, guidance,

and best practice materials to be put in WMO Library in order to have a widely opened access by all Members

- It must be noted that a lot of products are already shared, but this is not well documented, and you need to look for the products at specific places that makes it not easily accessible.
- The idea of documenting these products at one place (under the WMO Moodle site) is encouraged as it will then link all the available products in one place with direct links to the original. This is a new initiative by WMO.
- The new BIP-M and BIP-MT updated document (WMO 1083) will be important, and the communications of the draft standards will have to be communicated clearly. It must be noted that while the BIP-M was updated, it was the BIP-MT that had major changes. There are specialities listed that will be taken up by the relevant NMHSs that is using the specialities.

**D) Advocacy efforts to governments, end-users, decision-makers on the socioeconomic benefits of investments in NMHSs**

- Engagement of private sectors in communication, promotion of global meteorology, hydrology and climatology including authoritative voice common standards and product sharing should be further enhanced under collaborative approach by the Secretariat.
- Public Private Engagement (PPE) are encouraged to for product and information sharing.

**E) Develop strategies to assist NMHSs to implement WMO and national requirements: This item will only become active as soon as the WMO strategy has been finalized.**

Many of the issues are common to what will be included in the updated Capacity Development Strategy - being developed by a separate Task Team.

- The WMO Capacity Development Strategy (CDS) is planned to be submitted to the WMO Congress in 2023.
- A draft outline of the new Capacity Development Strategy (CDS) was prepared in July 2021. Overall, the outline was accepted with a few minor changes based on comments received. A few drafts of the strategy was delivered with input from different teams.
- A 4th draft of the CDS was presented at the 5th meeting of the Capacity Development Panel in September 2022. Input was worked through, and a new draft is to be submitted to the 6<sup>th</sup> meeting of CDP.

**F) Additional: Compile best practices from the National Meteorological and Hydrological Services (NMHSs) considered to be meeting global standards in the delivery of services. This compilation to be used in promotion of standards worldwide**

- A list of published best practices from the national meteorological and hydrological services to be meeting the global standards in the delivery of services, are available. This is not a complete list but most of the published best practised are listed. The list is available but needs to be made public.

**3. Highlights of achievements**

The following highlights can be noted:

- A: With the acceptance of the WMO data policy and the enhanced data sharing, the capacity development of the whole value chain of this process came to light and it is important to take note of the capacity development requirements.
- It is also noted that it will be difficult for some NMHSs to include the free data sharing into their policies as they are dependent on the sale of data. They should be encouraged to take part in the free data exchange processes. To encourage then it is recommended that there need to be a gateway to withdraw the data and that will take development and financial commitment that is not available. It is suggested that a generic programme that can withdraw data be made available that will serve the purpose.
  - It was noted that the acceptance of the qualifications stipulated in WMO 1083 was in some cases not widely followed. These identified countries should be encouraged to accept the guidelines and implement the WMO 1083 career categories.
- B: It was note that in the draft Capacity Development Strategy, the topic of gender equality was not addressed. The unintentional omission has been noted and the topic of gender equality will be added to the draft strategy document.
- C: There are a lot of products that are already shared, but this is not well documented, and members need to look for the products at specific places. The idea of documenting these products at one place (under the WMO Moodle) is encouraged as it will then link all the available products in one place with direct links to the original. This is a new initiative by WMO.
- The implementation of the updated BIP-M and BIP-MT document (WMO 1083) will be important, and the communications of the accepted career indicators will have to be communicated clearly. It must be noted that while the BIP-M was updated, it was the BIP-MT that had major changes. There are specialities listed that will be taken up by the relevant NMHSs that is using the specialities.
- E: The draft Capacity development strategy will be approved in Congress 2023.
- After this, countries should be encouraged to develop they own Capacity development strategies aligned to the one of WMO.
- F: The list of published best practices are encouraging and should be listed onto the WMO ETR Website.

#### **4. Challenges and opportunities**

It was difficult to have positive progress on the actions agreed on as the team members had other business to attend to. The official listed projects had to be collapsed into each other that had similar objectives. The team leaders were supposed to lead the progress of the different projects, but in some cases, the teams disintegrated. In these cases, other active team members gave input where they could.

It was clear from the start that the objectives were very widely defined. It was impossible for the teams to address all aspects. This gave leeway for the project teams to pursue what they regarded as critical. This was not ideal, but at least something was gained from the experience.

It was expected from the team members to enhance their contribution by getting assistance from members of their own work teams. In most cases, it was impossible to do as their teams were fully occupied with task that needed to be done.

#### **5. Recommendations from the expert team**

1. NMHSs are encouraged to accept the WMO 1083 (BIP-M and BIP-MT recommended Curriculums) as a recommended standard and to adapt to it as a matter of policy.
2. Encourage all NMHSs to implement the relevant competencies by using advocacy and advertising of the benefits of competency implementation and its complexity.
3. Encourage all meteorological training institutions beyond RTCs to make relevant training material/resources available to WMO secretariat as open access for other to use free of charge
4. Encourage all Meteorological Training Institutions to list their training material onto the WMO linked site.
5. Encourage all NMHSs to build up institutional capacity to establish mutually beneficial and effective collaboration with private sector and other stakeholders, including data/information sharing, service delivery, and advocacy for the essential public functions of meteorological services in issuing warnings, maintaining basic infrastructure and promoting the uptake of WMO standards and recommended practices by all.
6. Empathize the need for governments on policy level to take into account any social benefit of any measures what they take.
7. ETR to create a website where best practices can be populated

#### **New recommendation for a new CDP team**

1. It is recommended that the project ToR are written in such a way that the objectives are clear of what is required. If it is not written with a narrow focus, the CDP panel will have to accept what the teams are doing or interested in, unless the process is more vigorously guided by the panel with constructive guidance.
2. It must be stresses with the construction of the new team that it is expected of the team members to work offline between meetings on certain ToR given, or that they have to have designated assistance from their own NMHS to work on the ToR given.
3. In the call for new members, it is advised to have the projects listed so that those that apply to be team members have a clear idea of what is needed, and they can state for what they are willing to look at. In that way selection can be made by matching project with interested panel members.

#### **8. Activities up until Congress**

**A:** The Capacity Development requirements for the data sharing policy as listed and the requirements was noted.

**B:** The CDS needs to be scrutinized to ensure that the gender requirements are part of it.

**C:** The product list that will be made available on the WMO site needs to be tested to ensure that this is the message that needs to go out of all the products that are already made available are communicated.

**E:** The final draft of the capacity Development Strategy needs to be compiled and send to the CDP for input. This then needs to be finalized in the CDP 6 so that it can be circulated and, in the end, accepted at the Congress of 2023.

**F:** The process to identify published best case studies needs to continue and the process to include it onto the ETR web needs to start.