



World Meteorological Organization  
Executive Council (EC)  
Seventh Meeting of the Capacity Development Panel (CDP-7)

**EC-CDP-7**  
20 - 22 March 2023  
12:00 - 15:00 (UTC)  
Videoconference

# Agenda Item 6.3: Report of the ET on Capacity Development through WMO Technical Departments (CDP-ET-TDs)

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Dr. Carla Gulizia

# CDP-ET-TDs Members

## **Facilitator:**

Dr Carla Gulizia

## **Members:**

Dr Somenath Dutta,

Prof Dwikorita Karnawati,

Prof Peter Odjugo,

Ms Nirivololona Raholijao,

Dr Anna Timofeeva,

Mary Scholes (representative of the Research Board – RB),

Jennifer Milton (representative of the Infrastructure Commission - INFCOM),

Roger Stone (representative of the Services Commission - SERCOM),

Christophe Cudennec (representative of the Hydrological Coordination Panel - HCP),

Omar Chafki (representative of Joint WMO-IOC Collaborative Board (JCB))

# Updates on activities not reported during CDP-6

1. October 18th, 2022 → Meeting with John Ogren (WCDS-TT Facilitator), Karen Mc Court (ET-RMPDA Facilitator), Carla Gulizia (ET-TDs facilitator), Dimitar Ivanov & ETR Office Secretariat on Coordination on revised WCDS draft
2. Follow-up after CDP-6 on ET-TDs report and preparation of ET-TDs final recommendations to submit on behalf of the team
3. CDP-HCP Collaboration: Training of the Assessment Guidelines for E2E Flood Forecasting and Early Warning System to be held at FICH-UNL, Santa Fe, September 11-15, 2023. Virtual and in-person. Giacomo Teruggi, John Fenwick, William Scharffenberg, Leandro Giordano + RTC FICH-UNL.

## Updates on activities since CDP-6

4. Preparation on the case study presented early on behalf of RA-III to be included in the WCDS. In this sense, there are potential case studies to be considered and further elaborated as those included in the National Inputs

[https://etrp.wmo.int/pluginfile.php/56228/mod\\_resource/content/1/NationalInputs\\_to\\_CDP\\_ET\\_TDs\\_CDP5\\_Sep2022.pdf](https://etrp.wmo.int/pluginfile.php/56228/mod_resource/content/1/NationalInputs_to_CDP_ET_TDs_CDP5_Sep2022.pdf)

These include Argentina (RA-III), RTC Nigeria (RA-I), India (RA-II), and Indonesia (RA-V).

Case studies currently presented in WCDS (Agenda Item 5, CDP-7) show that RA-II, RA-III, RA-VI were submitted.

CDP-ET-TDs may contribute in fostering the inclusion of these other RAs examples.

# Updates on activities since CDP-6

5. Somenath has provided relevant experience from MTI (India)

Check Moodle Discussion Forum at CDP7 website, as well as the case study of their capacity development of technological infrastructure in a document I have uploaded in the Working files folder of ET-TDs

MTI RTC India has now initiated to introduce AI/ML in the training activities for evaluation of answer books of training examination. This will expedite the evaluation process resulting in an early bringing out of the result.

Initiative has been taken for development of mobile app based small training module like on thermodynamic diagram, observation technique, etc.

## EC-73 Decision 9 Items assigned to the CDP-ET-TDs

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;

**4** *CDP-ET-HRDET & CDP-ET-TDs*

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 Integrated Global Observing System (WIGOS) Centres and WMO Information System (WIS) Centres, etc;

**5** *CDP-ET-HRDET & CDP-ET-TDs*

## Updates on activities since CDP-6

6. One of the suggestions received and presented during CDP-5 on “*Projects such as CREWS and SOFF to include research elements alongside, complementary to their operational mandates.*”

Discussion with Jennifer Milton (INFCOM Representative) on feasibility before making this as a formal recommendation

## 6. (Cont.)

It is premature for SOFF to consider research elements as the purpose of SOFF is to enable the implementation of observation networks (GBON) and their availability to the community of users of which research is also one. The emphasis is to support LDC/SIDS in this implementation.

As for CREWS, the objectives are very much in support of getting countries able to integrate, use early warning systems and communicate the outputs, reducing risks. It's mandate is clearly on 'operational procedures' at the country level, focussing on LDC/SIDS.

It would not be recommended/feasible to include this recommendation with respect to both initiatives which are funded by external partners and which are currently in place (longer for CREWS, relatively new for SOFF). The funding is aimed at the operational components in both cases.



## 7. Other relevant initiatives where further collaborations and joint efforts could be explored

After prior agreement with Jürg Luterbacher (Director of SI Dept.) & Mary Scholes (RB Representative), following I will present two WCRP initiatives which could be pertinent to the CDP Members as well as give them visibility in order that potential collaborations could be explore

These are:

- WCRP Regional Focal Points + Climate Research Forums
- WCRP Lighthouse Activity “My Climate Risk” (MCR) and the MCR Regional Hubs

# WCRP LHA My Climate Risk: Regional hubs

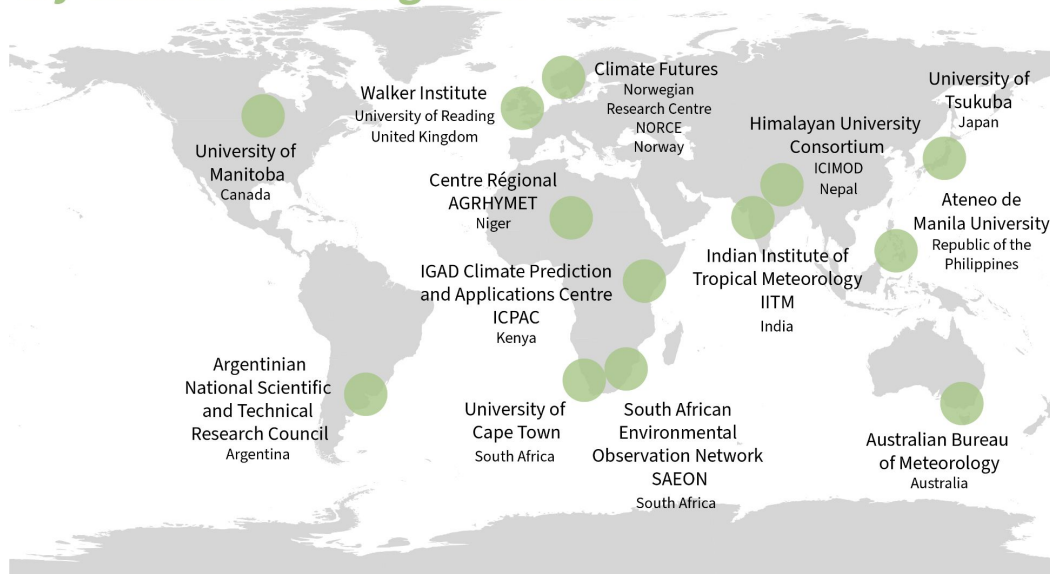
In order to develop and mainstream a 'bottom-up' approach to regional climate risk, My Climate Risk is working with a number of institutions and universities around the world that will share knowledge and resources to work towards My Climate Risk's goals, and support an ecosystem of more informal activities aligned with My Climate Risk.

The network of hubs is expected to help WCRP to bridge climate information and society by grappling with the complexity of local situations while maintaining the methods of analysis simple enough to be interpretable and open to interrogation.

In addition, the use of more straightforward methodologies that build trust and transparency facilitates the co-production and co-ownership with end-users of climate information.

**The ultimate goal of My Climate Risk is to empower local communities to make sense of their own situation.**

## My Climate Risk Regional Hubs



More information: [link](#)

# WCRP Regional Focal Points (RFPs) + Climate Research Forums (CRFs)

These Forums were intended to support ongoing WCRP activities in strengthening engagement, diversity and building our mutual understanding of research activities and priorities in the regions around the world.

## The goals of the Forums were to:

- Inform the WCRP community about the new WCRP and seek their feedback, especially on the Lighthouse activities, the new Core Projects, and other new science initiatives.
- Exchange ideas and discuss new activities and opportunities.
- Explore ways that our community of scientists, partner programs, funders and end-users of climate science can better engage and more effectively contribute to the regional needs.



<https://www.wcrp-climate.org/climate-research-forums>



*Promotional Flyers for the Climate Research Forums held in 2021*

**Report of the Forums uploaded in the working files folder of the CDP-ET-TDs (Moodle site)**

# WCRP Regional Focal Points (RFPs) + Climate Research Forums (CRFs) : Updates

- No additional CRFs will be held in 2023, given that the WCRP OSC will be our flagship engagement, communication, and science event this year.
- In the future, it is expected to use the CRFs as a platform to evolve alliances in Africa (already in train) and potentially South America and even perhaps the Pacific Island Nations.
- There is a considerable benefit in continuing to have WCRP Regional Focal Points, to provide an advisory capacity for regional discussions and issues.
- The CRFs need a “home” within the WCRP structure, along with administrative support to facilitate coordination including the future alliances mentioned above. The WCRP JSC agreed that the Regional Information for Society (RIfS) Core Project would be the best “home”, especially as RIfS has a new Project Office in Montreal Canada.
- Potential links to the regional hubs being established by the My Climate Risk LHA, plus CORDEX continues to have strong regional representation, and there may also be synergies with the WCRP Academy LHA.

# Thank you for your attention

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