

DATA BUOY COOPERATION PANEL

DBCP-XXVI/Doc. 6.4  
(31.VIII.2010)

---

TWENTY-SIXTH SESSION

ITEM: 6.4

OBAN, UNITED KINGDOM  
27 – 30 SEPTEMBER 2010

ENGLISH ONLY

## **REPORT BY THE TASK TEAM ON CAPACITY BUILDING**

*(Submitted by Sid Thurston, Chairperson TT-CB, USA)*

---

### **Summary and purpose of the document**

This document contains the report by the chairperson of the DBCP Task Team on Capacity Building, and provides details on the preparation and outcome of the first in-region Capacity Building workshop for countries of the Western Indian Ocean region, Cape town, South Africa, 19-23 April 2010.

---

### **ACTION PROPOSED**

The Panel will review the information contained in this report and comment and make decisions or recommendations as appropriate. See part A for the details of recommended actions.

- 
- Appendices:**
- A. Report by the Task Team on Capacity Building
  - B. Terms of Reference of the DBCP Task Team on Capacity Building
  - C. Goals for the second DBCP In-Region Western Indian Ocean Capacity Building Workshop, Mauritius, Spring 2011

**-A- DRAFT TEXT FOR INCLUSION IN THE FINAL REPORT**

6.4.1 Mr Sid Thurston, Chairperson of the Task Team on Capacity Building reported on the progress during the intersessional period. In particular, he provided comprehensive information on the preparation and outcome of the first in-region Capacity Building workshop for countries of the Western Indian Ocean region, Cape town, South Africa, 19-23 April 2010 (see Appendix A).

6.4.2 After discussion, the Panel agreed with the following action items:

- To convene the 2nd "DBCP In-Region Western Indian Ocean Capacity Building Workshop", Spring 2011, Mauritius. The goals for the workshop are detailed in Appendix C (**action; TT-CB; Spring 2011**).
- To coordinate workshop preparations with the DBCP, the Mauritius Oceanography Institute (MOI), the NOAA Office of Climate Observation (OCO), the African Monitoring of the Environment for Sustainable Development (AMESD), and the Agulhas-Somali Current Large Marine Ecosystem (ASCLME) (**action; S. Thurston & Secretariat; Spring 2011**).
- To continue to build Observation Development Team (ODT) and Modelling Development Team (MDT) with Met/Ocean Institutes in the Western Indian Ocean Region (**action; TT-CB; DBCP-27**).

6.4.3 The Panel thanked Mr Thurston and members of the Task Team for their efforts. The full report of the Task Team will be included in the CD-ROM that will be distributed with the Session final report.

---

Appendices: 3

## APPENDIX A

### REPORT BY THE TASK TEAM ON CAPACITY BUILDING

**Efforts for Capacity Development in Africa - Data Buoy Cooperation Panel (DBCP) With National Partners, Organized a Training Opportunity for Ocean in-situ Observations and Modelling in Africa.**

***First In-Region Capacity Building Workshop of the Data Buoy Cooperation Panel for Countries of the Western Indian Ocean Cape Town, South Africa, 19-23 April 2010***

This year the Global Ocean Community celebrates the Intergovernmental Oceanographic Commission's (IOC) 50th Anniversary, its birth being the 1960 International Indian Ocean Expedition. During its twenty-fifth session in Paris, the Data Buoy Cooperation Panel (DBCP) again emphasized its desire to actively encourage the participation of developing nations in the Panel's activities, and to assist the Panel in achieving and sustaining its objectives for a globally distributed data buoy network.

In this context, it was timely that as part of the IOC's 50th Anniversary, the DBCP sponsored its Training Workshop dedicated to enhancing observing and modelling capacities of ocean and meteorological Institutes in the Western Indian Ocean region. This first in-region Workshop was generously hosted by the South African Weather Service (SAWS) in Cape Town, South Africa, from 19 to 23 April 2010 with over sixty participants from twelve Nations. The theme of the Workshop was —Implementation and Operations of Indian Ocean Data Buoy Networks and their Applications for Enhancing Regional Predictive Capability.

This training Workshop provided the opportunity to implement the concept of 'PANGEA' (Partnership for the New GEOSS Applications), which was adopted by JCOMM as a key priority of its Observations Programme Area (OPA) for the current JCOMM intersessional period, by complementing other existing capacity building programs and promoting the use of ocean observations for regional socio-economic sustainability. The Goals of the Workshop were successfully achieved as follows: build capacity within Regional Institutes to apply new Indian Ocean Observing System (IndOOS) Data, such as from RAMA and others, for enhanced predictive Capability for the Region, demonstrate the crucial role of ocean observations for understanding and predicting Regional weather, ocean and climate, Build In-Region Modelling Development Teams (MDT) and Observation Development Teams (ODT), including for the implementation of buoy programmes, and to demonstrate the Societal and economic benefits of delivering enhanced ocean observing system data for better informed decisions.

As contributions to IndOOS and RAMA implementation with Japan, China and other Regional Partners, the United States National Oceanic and Atmospheric Administration (NOAA) has been working with India and Indonesia to implement the Central/Eastern Indian Ocean Observing System for the past five years. Now the agency is also working with the Agulhas-Somali Current Large Marine Ecosystem (ASCLME) Project to build out the Western Indian Ocean RAMA Array. NOAA's partners contribute ship time while NOAA provides instruments and moorings. NOAA also contributes other benefits to its partners under "resource sharing" agreements which include capacity building workshops, and training and education opportunities.

---

## APPENDIX B

### TERMS OF REFERENCE FOR THE DBCP TASK TEAM ON CAPACITY-BUILDING

(as adopted at DBCP-XXIV)

#### ***The DBCP Task Team on Capacity-Building shall:***

1. Initiate, plan and coordinate the implementation of the Training and Capacity-Building work programme including, in particular, the regular Training Course on Buoy Programme Implementation and Data Management;
2. Keep under review existing training material (paper and electronic) and advise on updating as well as for the development of new material;
3. Review and assess national, regional, and global requirements for capacity-building and develop / improve programmes as appropriate;
4. Liaise with other capacity-building programmes in relevant areas to develop and implement integrated activities, to explore potential synergies and opportunities for efficiently using resources available; liaise in particular with the JCOMM cross-cutting Team on Capacity-Building;
5. Endeavour to mobilize the resources required for DBCP capacity-building, including those needed for the implementation of the Training Courses;
6. Make recommendations to the DBCP Executive Board and / or the DBCP for addressing the issues above; and
7. Report to the DBCP Executive Board and the DBCP at its biennial Sessions.

#### ***Membership:***

The membership is open to all Panel members. The Chairperson, appointed by the Panel, has selected the following team members:

- Dr Sidney Thurston, NOAA / OCO (TT Chairperson);
  - DBCP Chairperson;
  - DBCP Executive Board members;
  - DBCP Vice-chairpersons (or their respective deputies);
  - DBCP Technical Co-ordinator;
  - Mr Ali Mafimbo (Kenya);
  - Dr G. Latha (India);
  - Johan Stander (South Africa);
  - Lucy Scott (South Africa)
  - Representative of the IOC Secretariat; and
  - Representative of the WMO Secretariat
-

## **APPENDIX C**

### **GOALS FOR THE SECOND DBCP IN-REGION WESTERN INDIAN OCEAN CAPACITY BUILDING WORKSHOP (Mauritius, Spring 2011)**

- Continue to Build Capacity Within Regional Institutes to Apply New Indian Ocean Observing System (IndOOS) Data, such as from RAMA and others, for Enhanced Predictive Capability for the Region,
  - Demonstrate the Crucial Role of Ocean Observations for Understanding and Predicting Regional Weather, Ocean and climate,
  - Continue to Build In-Region Modelling Development Teams (MDT) and Observation Development Teams (ODT), including for the implementation of buoy programmes,
  - Demonstrate the Societal and Economic Benefits of Delivering Enhanced Ocean Observing System Data for Better Informed Decisions,
  - Learn practical implementation aspects for the deployment of operational data buoys at sea, the collection of buoy data, and related data management,
  - Learn Practical Application of Regional Models for Addressing Impacts from Climate Change in the Coastal and Marine Environment,
  - Become Familiar with Tools for Identifying and Accessing Operational Data Streams for Model Assimilation,
  - Validate Model Products from Indian Ocean Observations,
  - Coordinate Regional Institutes for Increasing Western Indian Ocean Observations,
-