**DATA BUOY COOPERATION PANEL (DBCP)**

**FORMAT FOR NATIONAL REPORTS ON CURRENT AND
PLANNED BUOY PROGRAMMES**

|  |  |
| --- | --- |
| **Country** | United Republic of Tanzania |
| **Year** | 2021/22E-mail: met@meteo.go.tz |

**Please Identify your Programme’s Major Opportunities and Challenges/Risks during the upcoming year and how DBCP can most effectively assist your Programme.**

1. ***CURRENT PROGRAMME:***

**Please Identify your Programme’s Major Opportunities and Challenges/Risks during the upcoming year and how DBCP may assist your Programme.**

|  |  |
| --- | --- |
| **Agency or programme** | There is no specific programme, it is a plan of Tanzania Meteorological Authority (TMA) to enhance Indian Ocean observation over Tanzania area. |
| Number and type of buoys | (a) deployed during the year | **NIL** |
| (b) operational as of 31 August | **NIL** |
| (c) reporting on GTS as of 31 August | **NIL** |
| Purpose of programme*(check/uncheck boxes using [\_] or [x] as appropriate)* | (a) operational | [x] |
| (b) met / ocean research | [x] |
| (c) developmental | [x] |
| Main deployment areas |  |
| Vandalism incidents | (a) Number of incidents: **4 buoys were deployed in the year 2013 under donor support but were noted to be vandalized away from Tanzanian coast.**If vandalism incidents have occurred during the year, please provide the details using the form in the annex.**The buoys were vandalized in the year 2013)** |

*(repeat table above as often as necessary)*

***2. PLANNED PROGRAMMES:***

|  |  |
| --- | --- |
| **Agency or programme** | **The plan is still the same, for Tanzania Meteorological Authority (TMA) to enhance Indian Ocean observation over Tanzania area.** |
| Number and type of buoys | planned for deployment in the next 12 months | **2** |
| Purpose of programme*(check/uncheck boxes using [\_] or [x] as appropriate)* | (a) operational | [x] |
| (b) met / ocean research | [ ] |
| (c) developmental | [ ] |
| Main deployment areas |  |

*(repeat table above as often as necessary)*

***3. TECHNICAL DEVELOPMENTS:***

|  |  |
| --- | --- |
| (a) Buoy design | **Proposed technical specifications for the new buoys are:*** ***GoMOOS (Moored/fixed) with meteorological and ocean measuring instruments; or***
* ***SEAWATCH meteocean (Moored/fixed) with meteorological and ocean measuring instruments.***
 |
| (b) Instrumentation | **Proposed new buoys to be deployed should also possess sensors for measuring Sea level and** **water temperature at different depths.** |

***4. PUBLICATIONS (on programme plans, technical developments, QC reports, etc.):***

|  |  |  |
| --- | --- | --- |
| ***Ref*** | ***Title*** | ***Type[[1]](#footnote-2)*** |
| 1 | Severe weather detection | **No publications made** |
| 2 | Coastal climatology | **No publications made** |
| 3 | Coastal water pollution | **No publications made** |
| 4 | Sea level | **No publications made** |

*(repeat rows in the table above as necessary)*

***5. ADDITIONAL COMMENTS:***

|  |  |
| --- | --- |
| (a) Quality of buoy data | * **There are no any observations taking place at the moment** **since the buoys were vandalized.**
 |
| (b) Communications | * **There are no any observational data being communicated at the moment** **since the buoys were vandalized.**
 |
| (c) Buoy lifetimes | * **The recommended buoys should be fixed buoys with at least 20 years lifetime.**
 |
| (d) Data Accessibility[[2]](#footnote-3) | * **The data is no longer accessible since the buoys were vandalized/ there are no any observations taking place at the moment.**
 |
| (e) New Observations[[3]](#footnote-4) | * New observation parameters required (which were not observed by the former buoys) include: **Sea level,** **Water temperature** at **different depth.**
 |
| (f) GFCS and WIGOS[[4]](#footnote-5) | * Linkage with WIGOS: **The proposed new buoys will complement on TMA observation network, which will also be part of WIGOS initiative.**
* Linkage with GFCS: **It provides an opportunity to enhance resilience to climate variability and change by promoting the use of science based climate information and products.**
 |
| (g) Additional Requirements[[5]](#footnote-6) | * **Buoys to be deployed should be capable of making real-time transmission to the data receiving centre( for the case of Tanzania it is the Central Forecasting Office).**
 |
| (h) DBCP Linkages[[6]](#footnote-7) | * **Deployment of new buoys along the coast of Indian ocean is linked to DBCP Capacity development**
 |
| (i)Contribution to UN Decade and UN SDGs[[7]](#footnote-8) | **● The ocean observation will contribute in effective management of extreme weather and climate related disasters, thus ensure safety, sustained livelihoods and economic development.** |
| (j) Other (i.e. Impact of COVID19 on observing systems and mitigation efforts) | * **No direct impact on ocean observations using buoys since they were vandalised before COVID-19 outbreak.**
 |

Note: It is recommended that this form is filled in electronically and returned also electronically to the Secretariat. A template of the form can be downloaded from the following SharePoint site:

[https://wmoomm.sharepoint.com/:w:/s/wmocpdb/EQ1z8KndbxREkzE6RH4NFkkBDdvOItne74OP8f4voMMSbg?e=pgru6r](https://wmoomm.sharepoint.com/%3Aw%3A/s/wmocpdb/EQ1z8KndbxREkzE6RH4NFkkBDdvOItne74OP8f4voMMSbg?e=pgru6r)

**ANNEX - FORM FOR REPORTING INCIDENTS OF VANDALISM ON DATA BUOYS**

|  |  |
| --- | --- |
| **Country** |   |
| **Contact person e-mail** |  |
| **Year** | **Buoy Location** | **Type of Buoy****(e.g. Tsunami / Met -Ocean Buoy/Drifter/ARGO floats/ Other)** | **Type of damage to buoy**  | **Buoy id/WMO id**  | **Number of days of transmission lost** | **Cost of replacement** | **Remarks****(e.g. whether photos have been taken)** |
| **Latitude**  | **Longitude**  |  |
|  |  |  |
|   |   |   |   |  |  |   |  |   |
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|  |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |
| **Efforts taken against vandalism** |  |
| **Awareness meeting Organised**  |  |
| **Suggestions (if any)** |  |
| **Photos on Vandalism** |  |
|  |
|  |  |
|  |  |
|  |  |

Note: It is recommended that this form is filled in electronically and returned electronically also to OceanOPS (dbcp-tc@jcommops.org anddr.r.venkatesan@gmail.com ). A template of the form can be downloaded from the following SharePoint site: [https://wmoomm.sharepoint.com/:w:/s/wmocpdb/EXsq1FXv0vpHmOjQA-tTobwBMrNnjXnaQok3oudPhKIb3A?e=2IR9Wh](https://wmoomm.sharepoint.com/%3Aw%3A/s/wmocpdb/EXsq1FXv0vpHmOjQA-tTobwBMrNnjXnaQok3oudPhKIb3A?e=2IR9Wh)

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1. : Types of publications: (1) Implementation, (2) Operations, (3) Instrumentation, (4) Quality Management, (5) Data Management, (6) Data collection and/or location, (7) Data use, (8) Other [↑](#footnote-ref-2)
2. How does the international community access the ocean observing data provided by your Organization [↑](#footnote-ref-3)
3. What new ocean observations does your Organization plan to make in the upcoming year (i.e. new parameters, expanding geographic scope, filling spatial or latency gaps)? [↑](#footnote-ref-4)
4. How do your Organization’s observations contribute to the WMO’s Integrated Global Observing System (WIGOS) and/or Global Framework for Climate Services (GFCS)? [↑](#footnote-ref-5)
5. What additional requirements (other than climate) does your organization have that are currently not adequately addressed by the DBCP? [↑](#footnote-ref-6)
6. How would your organization benefit from DBCP’s closer linkages to the Global Ocean Observing System(GOOS), Data Management and Modelling Communities? [↑](#footnote-ref-7)
7. How do your ocean observing networks contributing to the UN decade on Ocean Science and UN Sustainable Development Gloas. [↑](#footnote-ref-8)