DATA BUOY COOPERATION PANEL (DBCP)

FORMAT FOR NATIONAL REPORTS ON CURRENT AND PLANNED BUOY PROGRAMMES

Country	Kingdom of Saudi Arabia
Year	2022

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		
Number and type of buoys	(a) deployed during the year	
	(b) operational as of 31 August	
	(c) reporting on GTS as of 31 August	
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 If vandalism incidents have occurred during the year, please provide the details using the form in the annex.	

(repeat table above as often as necessary)

2. PLANNED PROGRAMMES:

Agency or programme		
Number and type of buoys	planned for deployment in the next 12 months	3
Purpose of programme *(check/uncheck boxes using [_] or [x] as appropriate)*	(a) operational	[x]
	(b) met / ocean research	[√]
	(c) developmental	[x]
Main deployment areas	Red Sea	

Agency or programme		
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	[x]
Main deployment areas	Arabian Golf	

(repeat table above as often as necessary)

3. TECHNICAL DEVELOPMENTS:

(a) Buoy design	● The tower fabricated from Aluminium marine grade 5080/6080. ● The floating platform is rotationally molded virgin Polyethylene. ● The core structure is a steel cylinder open at one end (The skirt design). ● The Height is 6m ● The Diameter is 3m
(b) Instrumentation	● Wind Speed and Direction Sensor WindSonic 75 ● Air Pressure Sensor MSB181 ● Relative Humidity and Air Temperature Probe-RHT175 ● Wave Sensor SVS-603H ● Radiation Probe RPSG 05 – air radiation ● Radiation Probe RPSG 05 – water radiation ● Aquadopp 600 KHz For the 2 Arabian Gulf buoys ● ADCP Signature 250 For the 3 Red Sea buoys ● Multi Parameter Water Quality Sonde AML 6RT ● Digital Compass ● Fisheye IP Camera – Panasonic WV-S4550L ● Atlas Link GNSS Smart Antenna ● AIS AtoN Express ● AMS 111-IV Data-Logger ● Satellite Modem ● BIM 205 Intelligent Solar Charger

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

Ref	*Title*	*Type[1]*

(repeat rows in the table above as necessary)

5. ADDITIONAL COMMENTS:

(a) Quality of buoy data	● Not deployed yet
(b) Communications	● Satellite VSAT ● GSM " Mobile Telecommunication "
(c) Buoy lifetimes	● +15 Years
(d) Data Accessibility[2]	● By Focal Point assessing of National Centre for Meteorology
(e) New Observations[3]	● We will Deploy 3 buoys on the Red Sea ● 2 buoys on Arabian Golf
(f) GFCS and WIGOS[4]	● Providing them with the required and available data according to the requirements of WMO
(g) Additional Requirements[5]	● No thing

[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

[2] How does the international community access the ocean observing data provided by your Organization

[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)?

[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)?

[5] What additional requirements (other than climate) does your organization have that are currently not adequately addressed by the DBCP?

(h) DBCP Linkages[6]	• By Emails / By Focal Point assessing of National Centre for Meteorology
(i) Contribution to UN Decade and UN SDGs[7]	•
(j) Other (i.e.Impact of OVID19 on observing systems and mitigation efforts)	• No effects

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

[6] How would your organization benefit from DBCP's closer linkages to the Global Ocean Observing System(GOOS), Data Management and Modelling Communities?
[7] How do your ocean observing networks contributing to the UN decade on Ocean Science and UN Sustainable Development Gloas .

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**						
Efforts taken against vandalism								
Awareness meeting Organised								
Suggestions (if any)								
Photos on Vandalism			(please include pictures if available; and email electronic versions to dbcp-tc@jcommops.org and karen.grissom@noaa.gov)					

Note: It is recommended that this form is filled in electronically and returned electronically also to OceanOPS(dbcp-tc@jcommops.org and karen.grissom@noaa.gov). A template of the form can be downloaded from the following SharePoint site: https://wmoomm.sharepoint.com/:w:/s/wmocpdb/EXsq1FXv0vpHmOjQA-tTobwBMrNnjXnaQok3oudPhKIb3A?e=2IR9Wh