DATA BUOY COOPERATION PANEL (DBCP)

FORMAT FOR NATIONAL REPORTS ON CURRENT AND PLANNED BUOY PROGRAMMES

Country	PERU
Year	2019 – 2021

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	2019
	(b) operational as of 31 August	Yes
	(c) reporting on GTS as of 31 August	No
Purpose of programme *(check/uncheck boxes using [_] or [x] as appropriate)*	(a) operational	[ ]
	(b) met / ocean research	[x]
	(c) developmental	[ ]
Main deployment areas	Northern part of Peru - 220 nautical miles from the Paita´s port	
Vandalism incidents	(0) Number of incidents If vandalism incidents have occurred during the year, please provide the details using the form in the annex.	

Agency or programme		
Number and type of buoys	(a) deployed during the year	2019
	(b) operational as of 31 August	Yes
	(c) reporting on GTS as of 31 August	No
Purpose of programme *(check/uncheck boxes using [_] or [x] as appropriate)*	(a) operational	[ ]
	(b) met / ocean research	[x]
	(c) developmental	[ ]
Main deployment areas	Northern part of Peru - 345 nautical miles from Salaverry´s port	
Vandalism incidents	(0) 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	None
Purpose of programme *(check/uncheck boxes using [_] or [x] as appropriate)*	(a) operational	[ ]
	(b) met / ocean research	[ ]
	(c) developmental	[ ]
Main deployment areas		

(repeat table above as often as necessary)

3. *TECHNICAL DEVELOPMENTS:*

(a) Buoy design	• EBM-OC 24 Oceanographic Buoy designed and manufactured by MSM. • Superstructure is made by galvanized steel structure, coated with polyurethane paint. • Diameter of the float is 2.4 meters, its material is solid sheet of closed cell polyethylene foam.

(b) Instrumentation	• Arrangement of temperature, salinity and dissolved oxygen sensors in seawater at different depths (surface, 10, 20, 50, 100, 150, 200, 300 and 500 meters depth). • Wave gauge • Current profiler with a minimum measurement range of 500 meters deep. • AIS

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

Ref	Title	Type[1]
1	EBM-OC 24 Oceanographic Buoy User Manual	Operations
2	EBM-OC 24 Oceanographic Buoy User Manual ANNEX	Instrumentation

(repeat rows in the table above as necessary)

5. ADDITIONAL COMMENTS:

(a) Quality of buoy data	• Both buoys are working under the guidelines of the IOC
(b) Communications	• The MF-SAT module uses the SBD-type Iridium satellite network as the communication platform
(c) Buoy lifetimes	• Buoy: 30 years • Sensors: 10 years • Depending on its maintenance
(d) Data Accessibility[2]	• At the moment the international community cannot access to the data
(e) New Observations[3]	• We have plans to install more buoys in order to fulfill our oceanographic spatial gaps
(f) GFCS and WIGOS[4]	• At the moment the obtained information it is not contributing either with WIGOS nor with GFCS, although it is planned to discuss this matter within the World Data Centers
(g) Additional Requirements[5]	• The development of an anti-vandalism plans for the instruments • The way to incorporate our oceanographic buoys to the international network
(h) DBCP Linkages[6]	• Support in the development of a better observational and data processing system
(i) Contribution to UN Decade and UN SDGs[7]	• Greater real-time monitoring of oceanographic conditions, specifically related to El Niño and La Niña phenomena, working as tools to prevent flooding and other type of disasters in the western South American coasts, including Peru.
(j) Other (i.e. Impact of COVID19 on observing systems and mitigation efforts)	• Maintenance of the buoys was delayed.

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

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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

[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?

[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