

## DATA BUOY COOPERATION PANEL (DBCP)

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

<b>Country</b>	COLOMBIA
<b>Year</b>	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.

<b>Agency or programme</b>	Dirección General Marítima – DIMAR – (National Marine Meteorological Service)	
Number and type of buoys	(a) deployed during the year	• 03 metocean buoys
	(b) operational as of 31 August	• 01 metocean buoys
	(c) reporting on GTS as of 31 August	none
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:**

<b>Agency or programme</b>		
Number and type of buoys	planned for deployment in the next 12 months	• 03 directional wave buoys. • 07 metocean buoys.
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		

(repeat table above as often as necessary)

#### **3. TECHNICAL DEVELOPMENTS:**

(a) Buoy design	-
(b) Instrumentation	-

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

Ref	Title	Type <sup>1</sup>
1	Boletín Meteorológico del Pacífico Colombiano <a href="http://cecoldodigital.dimar.mil.co/view/divisions/BMPC/">http://cecoldodigital.dimar.mil.co/view/divisions/BMPC/</a>	Data Use
2	Boletín Meteorológico del Caribe Colombiano <a href="http://cecoldodigital.dimar.mil.co/view/divisions/BMCC/">http://cecoldodigital.dimar.mil.co/view/divisions/BMCC/</a>	Data Use
3	Study of the wave spectrum in the Caribbean observed with buoys and its representation in the Jonswap spectrum. <a href="http://cecoldodigital.dimar.mil.co/228/">http://cecoldodigital.dimar.mil.co/228/</a>	Data collection and/or location
4	Oceanographic and Marine Meteorology Data Standardization Guide <a href="http://cecoldodigital.dimar.mil.co/2056/">http://cecoldodigital.dimar.mil.co/2056/</a>	Data Management
5	Development of a system for measuring oceanographic and marine meteorology parameters for the Colombian Caribbean and Pacific coast <a href="http://cecoldodigital.dimar.mil.co/227/">http://cecoldodigital.dimar.mil.co/227/</a>	Implementation
6	Analysis of regional climate features in the Colombian Atlas of Oceanographic Data 1922-2013 <a href="http://cecoldodigital.dimar.mil.co/1398/">http://cecoldodigital.dimar.mil.co/1398/</a>	Data Management

(repeat rows in the table above as necessary)

#### 5. **ADDITIONAL COMMENTS:**

(a) Quality of buoy data	<ul style="list-style-type: none"> <li>• Good wave data.</li> <li>• Good current data.</li> <li>• Good oceanographic and weather data</li> </ul>
(b) Communications	<ul style="list-style-type: none"> <li>• INMARSAT ISAT DATA PRO</li> <li>• IRIDIUM</li> <li>• GOES (Only two)</li> </ul>
(c) Buoy lifetimes	<ul style="list-style-type: none"> <li>• 05 years in directional wave buoys.</li> <li>• 10 years metocean buoys.</li> </ul>
(d) Data Accessibility <sup>2</sup>	<ul style="list-style-type: none"> <li>• Access to the data of the REDMPOMM Buoy Network is through the web: <a href="https://portal.axys-aps.com/default.aspx#">https://portal.axys-aps.com/default.aspx#</a> and by request to the organization, under certain internal parameters.</li> </ul>
(e) New Observations <sup>3</sup>	<ul style="list-style-type: none"> <li>• It is planned implement SST and current sensors in maritime signalling buoys, in the main Colombian ports.</li> </ul>
(f) GFCS and WIGOS <sup>4</sup>	<ul style="list-style-type: none"> <li>• Our organization does not contribute with GFCS and WIGOS</li> </ul>
(g) Additional Requirements <sup>5</sup>	<ul style="list-style-type: none"> <li>• Not now</li> </ul>
(h) DBCP Linkages <sup>6</sup>	<ul style="list-style-type: none"> <li>• Measurements made with metocean and wave buoys can provide timely information on the sites where they are located and improve the outputs of global models.</li> </ul>
(i) Contribution to UN Decade and UN SDGs <sup>7</sup>	

<sup>1</sup>: 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

<sup>2</sup> How does the international community access the ocean observing data provided by your Organization

<sup>3</sup> 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)?

<sup>4</sup> How do your Organization's observations contribute to the WMO's Integrated Global Observing System (WIGOS) and/or Global Framework for Climate Services (GFCS)?

<sup>5</sup> What additional requirements (other than climate) does your organization have that are currently not adequately addressed by the DBCP?

<sup>6</sup> How would your organization benefit from DBCP's closer linkages to the Global Ocean Observing System(GOOS), Data Management and Modelling Communities?

<sup>7</sup>How do your ocean observing networks contributing to the UN decade on Ocean Science and UN Sustainable Development Goals .

	<ul style="list-style-type: none"> <li>• The monitoring of the atmospheric and wave variables of the location sites, allow these variables to be followed up in real time</li> </ul>
(j) Other (i.e. Impact of COVID19 on observing systems and mitigation efforts)	<p>IMPACT:</p> <ul style="list-style-type: none"> <li>• The impacts of COVID-19 were of an operational nature and service costs, especially.</li> <li>• Increase in the cost of spare parts.</li> </ul> <p>MITIGATION:</p> <ul style="list-style-type: none"> <li>• Conduct training for internal personnel and plan its own maintenance.</li> <li>• Extend preventive maintenance time.</li> </ul>

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/EQ1z8KndbxREkzE6RH4NFkkBDdvOItn74QP8f4voMMSbg?e=pgru6r>

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

Country		Colombia						
Contact person e-mail		<a href="mailto:gherrera@diar.mil.co">gherrera@diar.mil.co</a> / <a href="mailto:Imoreno@dimar.mil.co">Imoreno@dimar.mil.co</a>						
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							
2022	12.40692	-72.08152	Met-Ocean	SHIPWRECK DISAPPEAR ANCE	NONE	From January 2022	US\$285.000	
Efforts taken against vandalism								
Awareness meeting Organised								

<b>Suggestions (if any)</b>	
<b>Photos on Vandalism</b>	(please include pictures if available; and email electronic versions to <a href="mailto:dbcp-tc@jcommops.org">dbcp-tc@jcommops.org</a> and <a href="mailto:karen.grissom@noaa.gov">karen.grissom@noaa.gov</a> )

Note: It is recommended that this form is filled in electronically and returned electronically also to OceanOPS ([dbcp-tc@jcommops.org](mailto:dbcp-tc@jcommops.org) and [karen.grissom@noaa.gov](mailto:karen.grissom@noaa.gov) ). A template of the form can be downloaded from the following SharePoint site: <https://wrmoomm.sharepoint.com/:w/s/wrmocpdb/EXsq1FXv0vpHmOjQA-tTobwBMrNniXnaQok3oudPhKlb3A?e=2IR9Wh>

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