

## DATA BUOY COOPERATION PANEL (DBCP)

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

<b>Country</b>	Portugal
<b>Year</b>	2020

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	15 moored buoy (One new site): 5 Oceanor and 10 Datawell buoys (Portugal Mainland, Madeira and Azores)
	(b) operational as of 31 August	10 moored buoy
	(c) reporting on GTS as of 31 August	7 moored buoy
Purpose of programme (check/uncheck boxes using [ ] or [x] as appropriate)	(a) operational	<input checked="" type="checkbox"/>
	(b) met / ocean research	<input checked="" type="checkbox"/>
	(c) developmental	<input checked="" type="checkbox"/>
Main deployment areas		
Vandalism incidents	(a) Number of incidents:0 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	
Purpose of programme (check/uncheck boxes using [ ] or [x] as appropriate)	(a) operational	<input type="checkbox"/>
	(b) met / ocean research	<input type="checkbox"/>
	(c) developmental	<input type="checkbox"/>
Main deployment areas		

*(repeat table above as often as necessary)*

#### 3. TECHNICAL DEVELOPMENTS:

(a) Buoy design	<ul style="list-style-type: none"> <li>Moored buoy: Oceanor Wavescan and Datawell Directional Waverider</li> </ul>
(b) Instrumentation	<ul style="list-style-type: none"> <li>Buoys equipped with wave sense, meteorological and sea surface temperature sensors, ADCP (currents), SBE and Star-oddi for depth temperature.</li> <li>Installed an AIS system in metocean buoys</li> </ul>

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

<b>Ref</b>	<b>Title</b>	<b>Type<sup>1</sup></b>
1	Quality assessment of the ESA SST CCI product off the Portuguese Marine Waters using historical in-situ data. Lamas L, Esteves R, de Azevedo E, Correia C, Reis F Living Planet Symposium - ESA, Milan, Italy	7
2	Fishing areas characterization using satellite and in-situ data. Lamas, Luisa, Oliveira, P.B., Pinto, J., Almeida, S. Jorge da Silva, A., Almeida, N.	7

(repeat rows in the table above as necessary)

**5. ADDITIONAL COMMENTS:**

(a) Quality of buoy data	Real time quality control, recommendation for in-situ data from EuroGOOs.
(b) Communications	Datawell: VHF and internet ; Wavescan: INMARSAT and IRIDIUM
(c) Buoy lifetimes	
(d) Data Accessibility <sup>2</sup>	<ul style="list-style-type: none"> <li>• GTS</li> <li>• <a href="http://www.hidrografico.pt/">http://www.hidrografico.pt/</a> (Instituto Hidrográfico)</li> <li>• <a href="http://www.climaat.angra.uac.pt/">http://www.climaat.angra.uac.pt/</a> (Azores University)</li> <li>• <a href="http://www.apram.pt/">http://www.apram.pt/</a> (Madeira Harbour)</li> </ul>
(e) New Observations <sup>3</sup>	•
(f) GFCS and WIGOS <sup>4</sup>	•
(g) Additional Requirements <sup>5</sup>	•
(h) DBCP Linkages <sup>6</sup>	•
(i) DBCP Excellence Awards <sup>7</sup>	
(j) Other	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</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 ftp site:

<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 JCOMM Services, Data Management and Modelling Communities?

<sup>7</sup> Nominate a Member from your Organization who has demonstrated outstanding achievement in either a) advancing technology or b) applying ocean observation data in service to society.

<ftp://ftp.wmo.int/Documents/PublicWeb/amp/mmop/documents/dbcp/templates/Format-DBCP-National-Reports.doc>

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

<b>Country</b>								
<b>Contact person e-mail</b>								
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						
<b>Efforts taken against vandalism</b>								
<b>Awareness meeting Organised</b>								
<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:dr.r.venkatesan@gmail.com">dr.r.venkatesan@gmail.com</a> )						

**Note:** It is recommended that this form is filled in electronically and returned electronically also to JCOMMOPS ([dbcp-tc@jcommops.org](mailto:dbcp-tc@jcommops.org) and [dr.r.venkatesan@gmail.com](mailto:dr.r.venkatesan@gmail.com) ). A template of the form can be downloaded from the following ftp site: <ftp://ftp.wmo.int/Documents/PublicWeb/amp/mmop/documents/dbcp/templates/Format-DBCP-Buoy-Vandalism-Reports.doc>