DATA BUOY COOPERATION PANEL (DBCP)

FORMAT FOR NATIONAL REPORTS ON CURRENT AND PLANNED BUOY PROGRAMMES

Country	**Islamic Republic of Iran**
Year	**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	**6**
	(b) operational as of 31 August	**1**
	(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 **: 2** 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	**5**
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	**Costal Area Of The Caspian Sea,Persian Gulf and Oman Sea**	

(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[1]***
1	***Comparison of Reanalysis, Blending Satellite Data and Buoy Surface Wind Data over the Persian Gulf Basin for 2009***	**Data use**
2	***AN APPROACH TOWARDS WAVE CLIMATE STUDY IN THE PERSIAN GULF AND THE GULF OF OMAN: SIMULATION AND VALIDATION***	**Data use**
3	***MONITORING AND MODELING STUDY OF SOME COASTAL PARTS OF SISTAN AND BALUCHESTAN AND BUSHEHR PROVINCES***	**Data use**
4		

(repeat rows in the table above as necessary)

5. ADDITIONAL COMMENTS:

(a) Quality of buoy data	
(b) Communications	
(c) Buoy lifetimes	
(d) Data Accessibility[2]	● **At present, information of two buoys in Caspian Sea are available as FM18. It will be decided to connect them to GTS..**
(e) New Observations[3]	● **Fill in the spatial gap in data collection by adding a new buoy**.

[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)?

(f) GFCS and WIGOS[4]	●
(g) Additional Requirements[5]	●
(h) DBCP Linkages[6]	●
(i) Contribution to UN Decade and UN SDGs[7]	● ● ●
(j) Other (i.e. Impact of COVID19 on observing systems and mitigation efforts)	● ● ●

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

[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 .

ANNEX - FORM FOR REPORTING INCIDENTS OF VANDALISM ON DATA BUOYS

Country			**Islamic Republic of Iran**					
Contact person e-mail			Layeghi2001@yahoo.com					
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**						
2014	25°36´ 34.08´´N	57°46´18.12´´E	**Met -Ocean Buoy(Datawell)**	Missing Buoy	-	6 year	-	-
2014	25°59´20.69´N	55°00´52.85´´E	**Met -Ocean Buoy(Datawell)**	Missing Buoy	-	5year	-	-
2014	26°33´28.5´´N	53°43´16.21´´E	**Met -Ocean Buoy(Datawell)**	Missing Buoy	-	6year	-	-
2008	56°17´54.15´N	26°58´41.88´´E	**Met -Ocean Buoy(Andra)**	Breakage of hull and sensors due to collision with ship.	-	2 year	-	-
Efforts taken against vandalism			-					
Awareness meeting Organised			Holding meetings with the governorate, the Ports and Maritime Administration - fishermen and seafarers.					
Suggestions (if any)			-					
Photos on Vandalism			(please include pictures if available; and email electronic versions to dbcp-tc@jcommops.org and dr.r.venkatesan@gmail.com)					

Note: It is recommended that this form is filled in electronically and returned electronically also to OceanOPS (dbcp-tc@jcommops.org and dr.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

Photos of Qeshm Buoyeh damaged by ship collision

Fracture of the body of the buoy due to severe impact of a heavy object and release of the anchor

Socket damage

Solar panel fracture

Solar panel fracture

Bend of the console and sensor holder due to severe strike.

Rear view of sensor holder