

CLS-3.4: Metocean forecast to avoid down time

Metocean forecast to avoid down time

Challenge

CLS_OFF.3.4 : Metocean forecast to avoid down time

1	Challenge ID	CLS_OFF.3.4				
2	Title	Metocean forecast to avoid down time				
3	Originator of Challenge	Tullow Oil				
	General description					
4	What data/products do you currently use ?	Consultancy, Metocean model data Hycom, ECMWF, NCEP				
5	When do you use this kind of dataset?	The main use of these forecast data is to look for a weather window to conduct operations.				
6	What are your actual limitations and do you have a work around?	n/a				
7	Needs and expectations on EO data	n/a				
	Challenge classification					
8	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact			4		
9	Geographic context/restrictions	• West Africa • French Guyana • Namibia • Mozambique Channel				
10	Topographic classification / Offshore classification	• Shallow Water (satellite bathymetry) • Deep Water • Inland Lakes (Africa)				
11	Activity impacted/concerned	H&S benefit; Due diligence tool; Operational cost reduction; Increased production; Strategic decision enabler				
12	Urgency (How quickly does the user need the solution)	n/a				
	Information requirements					
13	Update frequency	Daily, One shot Squall warning: daily update/ twice daily				
14	Temporal resolution	Tidal: hourly Current: daily if nothing else is available Monthly mean				
15	Spatial resolution	1m, 100m, 1 km etc / 1:50000, 1:25000 etc.. ¼° for model SAR image 1/150000				
16	Data quality	Higher for lakes Very important during operations				
17	Data Coverage and extent	Along track, programmable				

18	Example formats	e.g. GeoTIFF, Report, GIS formats etc... raw data and geotiffs
19	Timeliness	Squall: up to date Metocean: that day
20	Existing standards	looking for OGP standards

Relevant products

Content by label

There is no content with the specified labels