

CLS-2.4: Hurricane tracks

Hurricane tracks

Challenge

CLS_OFF.2.4 : Hurricane tracks :

1	Challenge ID	CLS_OFF.2.4				
2	Title	Hurricane tracks				
3	Originator of Challenge	SAIPEM/metocean experts				
	General description					
4	What data/products do you currently use ?	Hurricane tracks, radius, central pressure, maximum sustained wind speed, and sea level				
5	When do you use this kind of dataset?	These extreme event data are useful to estimate the risk on a given area.				
6	What are your actual limitations and do you have a work around?	It is not possible to study a located phenomenon with satellite data.				
7	Needs and expectations on EO data	More frequent sampling such as Eumetsat: geostationary dataset for squalls prediction in west Africa (10 minutes revisit time). Quikscat missed hurricanes too.				
	Challenge classification					
8	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact		4			
9	Geographic context /restrictions	All over the world in areas prone to tropical weather systems				
10	Topographic classification / Offshore classification	All from very deep water to coastal areas				
11	Activity impacted /concerned	H&S benefit; Due diligence tool; Operational cost reduction				
12	Urgency (How quickly does the user need the solution)	Immediate (0-2 yrs)				
	Information requirements					
13	Update frequency	Annual for historical data; daily or twice-daily for observations				
14	Temporal resolution	Every 1h/3h				
15	Spatial resolution	1 km				
16	Data quality	Geo-stationnary referred to a specific location				

17	Data Coverage and extent	Geo-stationary
18	Example formats	Text, excel, GEOTIFF, GIS...format is not a problem
19	Timeliness	Around a week for historical data; 1 day for observations
20	Existing standards	Yes, quality systems in place internally.

Relevant products

Content by label

There is no content with the specified labels