CLS-3.2: Coastal morphology

Coastal morphology

Challenge

CLS_OFF.3.2 : Coastal morphology

1	Challenge ID	CLS_OFF.3.2				
2	Title	Coastal morphology				
3	Originator of Challenge	SAIPEM				
	General description					
4	What data/products do you currently use ?	Satellite images of coastline (historical images)				
5	When do you use this kind of dataset?	Mainly during the design of structures				
6	What are your actual limitations and do you have a work around?	The main limitation is the spatial resolution of images which is sometime larger than the expected variations of the shoreline position				
7	Needs and expectations on EO data	Improved spatial resolution				
	Challenge classification					
8	Lifecycle stage	*Pre license*	*Exp.*	*Dev.*	*Prod.*	*Decom.*
	Score from impact			4		
9	Geographic context /restrictions	All over the world				
10	Topographic classification / Offshore classification	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)	3 – immediate (0-2 yrs)				
	Information requirements					
13	Update frequency	Every 2 months				
14	Temporal resolution	Not appropriate				
15	Spatial resolution	1m				
16	Data quality	n/a				
17	Data Coverage and extent	Geo-stationnary				

18	Example formats	Text, excel, GEOTIFF, GIS…format is not a problem
19	Timeliness	2 weeks
20	Existing standards	Yes, quality systems in place internally

Relevant products

Content by label

There is no content with the specified labels