

# 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				
	<b>Challenge classification</b>					
8	Lifecycle stage	<i>Pre license</i>	<i>Exp.</i>	<i>Dev.</i>	<i>Prod.</i>	<i>Decom.</i>
	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)				
	<b>Information requirements</b>					
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-stationary
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

