

CLS-6.2: Site monitoring

Site monitoring

Challenge

CLS_OFF.6.2 : Site monitoring

1	Challenge ID	CLS_OFF.6.2				
2	Title	Site monitoring				
3	Originator of Challenge	All contacts				
	General description					
4	What data/products do you currently use ?	• Radar and optical imagery products for site monitoring • Satellite imagery for site monitoring during drilling operations				
5	When do you use this kind of dataset?	During all stages of the project (except pre-license) a continuous monitor of the site needs to be done. It helps preventing pollution and structures damages.				
6	What are your actual limitations and do you have a work around?	Speed of acquisition and data access Contracts requirements restrict access to data required urgently				
7	Needs and expectations on EO data	• Rapid tasking and delivery – comparison of optical and radar • Direct access to orbital and acquisition availability • Contracts agreed to speed data requests • Access to off the shelf data – speculative acquisitions				
	Challenge classification					
8	Lifecycle stage	<i>Pre licen se</i>	<i>Exp.</i>	<i>Dev.</i>	<i>Prod.</i>	<i>Decom.</i>
	Score from impact	1	2	2	2	2
9	Geographic context /restrictions	Worldwide				
10	Topographic classification / Offshore classification	• Deep/ultra deep water • Shallow water • Coastal water				
11	Activity impacted/concerned	Risk mapping, identifying operational constraints, cost and timescale management, monitoring, emergency response				
12	Urgency (How quickly does the user need the solution)	For operation: immediate				
	Information requirements					
13	Update frequency	During drilling : daily update minimum				
14	Temporal resolution	n/a				

15	Spatial resolution	0.5m for site specific monitoring, 100m SAR for metocean.
16	Data quality	Near the cost: higher requirements
17	Data Coverage and extent	Composite mostly
18	Example formats	ASCII, GeoTIFF, ECW, JP2000, xml – copy of raw data, enhanced and full band non enhanced data
19	Timeliness	Access to data via FTP / portal interfaces – direct download for improved delivery times.
20	Existing standards	Internal standards for GIS and remote sensing deliverables – interested in seeing more standard across the industry

Relevant products

Content by label

There is no content with the specified labels