

## CLS-4.3: Efficiency of vessels and helicopters operations

### Efficiency of vessels and helicopters operations

#### Challenge

#### CLS\_OFF.4.3 : Efficiency of vessels and helicopters operations

1	Challenge ID	CLS_OFF.4.3				
2	Title	Efficiency of vessels and helicopters				
3	Originator of Challenge	SHELL				
	General description					
4	What data/products do you currently use ?	Lightning and visibility data				
5	When do you use this kind of dataset?	In case of emergency, helicopters and vessels need to have a quick access to the lightning around the platform to ensure their efficiency.				
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	<i>Pre licen se</i>	<i>Exp.</i>	<i>Dev.</i>	<i>Prod.</i>	<i>Decom.</i>
	Score from impact				4	
9	Geographic context /restrictions	<ul style="list-style-type: none"> <li>• Caspian sea,</li> <li>• Nigeria</li> <li>• Qatar,</li> <li>• Oman</li> <li>• West Australia</li> <li>• Med coastal and onshore,</li> <li>• South Africa Namibia,</li> <li>• Mozambique</li> <li>• South-China sea,</li> <li>• Philippines</li> <li>• Guyane</li> <li>• America</li> <li>• Venezuela</li> <li>• Brasil</li> </ul>				
10	Topographic classification / Offshore classification	n/a				
11	Activity impacted/concerned					
12	Urgency (How quickly does the user need the solution)	Lightning data are very important and could be needed really shortly.				
	Information requirements					

13	Update frequency	n/a
14	Temporal resolution	n/a
15	Spatial resolution	For offshore a resolution of 20 – 25 km is OK. The main difficulties are located on coastal area.
16	Data quality	Ok for the time being
17	Data Coverage and extent	Perhaps more easy access to some area outside the limitation [52°N-52° S].
18	Example formats	Matlab or Fortran would be fine. But most important, the tools to read the products are needed.
19	Timeliness	Ok for the time being
20	Existing standards	Matlab or Fortran

## Relevant products

### Content by label

There is no content with the specified labels