

C-CORE 2.5 Distribution and abundance of marine mammals

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Challenge

Challenge ID	C-CORE_OFF2.5
Title	Distribution and abundance of marine mammals
Challenge originator:	
General Description	
What data/products do you use?	Abundance and distribution data from ship-based or aerial surveys
When do you use this kind of dataset?	During seismic and drilling activities to determine impacts of noise on marine mammals and during discharges to determine vulnerability and impact
What are your actual limitations and do you have a work around?	Vessel and aerial surveys are time consuming and expensive. Current data products are adequate but need to be updated and repeated on a regular basis due to high natural variability, seasonal data and weather dependant
Needs and expectations on EO data	High resolution imagery that would allow counting and possibly identifying marine mammals when at the surface. Could be visual or IR
Challenge classification	
Pre license	3
Exp.	3
Dev.	3
Prod.	3
Decom.	3
Geographic context/ restrictions	Western Ireland, Falkland Islands
Topographic classification / Offshore classification	Ocean
Activity impacted /concerned	Cost reduction, reduction of HSE risk associated with vessel based and aerial surveys, improved project planning
Technology Urgency	Short term (2-5 years)
Information requirements	
Update frequency	Weekly-monthly
Temporal resolution	Weekly-monthly
Spatial resolution	1-10m
Data quality	High
Data Coverage and extent	Regional

Example format	High resolution image
Timeliness	Reference data - timeliness not important except for spill
Existing standards	OSPAR Commission. 2009 document. Assessment. ERT Scotland. 2008. Third strategic environmental assessment for oil and gas activity in Ireland's offshore Atlantic waters: IOSEA3 Rockall Basin. Prepared for Department of Communications, Energy and Natural Resources. RPS Energy. 2009. <i>Environmental Impact Assessment for Offshore Drilling The Falkland Islands</i>. Report prepared for Rockhopper Exploration PLC.

Relevant products

Content by label

There is no content with the specified labels