

## C-CORE 2.7 Information on presence and abundance of deep water fauna

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### Challenge

<b>Challenge ID</b>	C-CORE_OFF2.7
<b>Title</b>	<a href="#">Information on presence and abundance of deep water fauna</a>
<b>Challenge originator:</b>	
<b>General Description</b>	
<b>What data/products do you use?</b>	ROV surveys and multibeam to describe deep-water coral and other vulnerable seabed habitat
<b>When do you use this kind of dataset?</b>	During environmental impact assessments (EIAs), oil spill response, environmental damage assessment
<b>What are your actual limitations and do you have a work around?</b>	ROV and multibeam surveys are expensive and time consuming
<b>Needs and expectations on EO data</b>	Not sure, EO capabilities can address this as it requires penetration to ocean floor and species and/or habitat identification
<b>Challenge classification</b>	
<b>Pre license</b>	4
<b>Exp.</b>	3
<b>Dev.</b>	3
<b>Prod.</b>	3
<b>Decom.</b>	3
<b>Geographic context/ restrictions</b>	- Eastern Mediterranean
<b>Topographic classification / Offshore classification</b>	Ocean
<b>Activity impacted /concerned</b>	Strategic decision enabler
<b>Technology Urgency</b>	Mid-Term (5-10 years)
<b>Information requirements</b>	
<b>Update frequency</b>	Yearly, for monitoring of change, but hourly during oil spills
<b>Temporal resolution</b>	Seasonal or yearly
<b>Spatial resolution</b>	1-10m
<b>Data quality</b>	High
<b>Data Coverage and extent</b>	In vicinity of drill site and along possible submarine pipelines for monitoring, but regional for spills
<b>Example format</b>	High resolution image
<b>Timeliness</b>	Reference data - timeliness not important, near real time for spill

<b>Existing standards</b>	Galil B. and Herut B. 2011. <i>Marine environmental issues of deep-sea exploration and exploitation activities (oil and gas) off the coast of Israel</i> . IO LR Report H15/2011
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## Relevant products

### Content by label

There is no content with the specified labels