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

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Challenge

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

Existing standards	Galil B. and Herut B. 2011. *Marine environmental issues of deep-sea exploration and exploitation activities (oil and gas) off the coast of Israel.* IO LR Report H15/2011

Relevant products

Content by label

There is no content with the specified labels