

OTM-026: Identifying potential hydrocarbon seepage

Identifying potential hydrocarbon seepage

Challenge

	Challenge ID	OTM:026				
1	Title	Identifying potential hydrocarbon seepage				
2	Theme ID	ON 2.3: Surface Geology Mapping - Lithological discrimination				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	Exxon, Chevron				
General description		Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	Identifying hydrocarbon seepages or anomalies in characteristics such as in mineralogy and vegetation may indicate that the presence of a reservoir surface, 14. Obtain detailed imagery of the surface, Being able to identify potential hydrocarbon leaks would allow us to more efficiently target these areas for exploratory work, which inevitably (you would hope) would increase our exploration success. On the ground observation, influenced from geological surveys.				
6	Thematic information requirements					
7	Nature of the challenge - What effect does this challenge have on operations?					
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?					
9	What kind of solution do you envisage could address this challenge?					
10	What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?					
Challenge classification						
11	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact quantification [1]	4	3	1	0	0
12	Climate classification	NOT CLIMATE SPECIFIC				
13	Geographic context/restrictions	Generic onshore (Unspecified)				
14	Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15	Seasonal variations	Any season				
16	Impact Area	Environmental				
17	Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements						
18	Update frequency	Within a month regional interest				
19	Data Currently used					
20	Spatial resolution					
21	Thematic accuracy					
22	Example formats					
23	Timeliness					
24	Geographic Extent					
25	Existing standards					

[1] Impact quantification scores: 4 – Critical/ enabling; 3 – Significant/ competitive advantage; 2 – Important but non-essential; 1 – Nice to have; 0 – No impact, need satisfied with existing technology

Relevant products

Content by label

There is no content with the specified labels