

OTM-076: Understanding activity beneath the tree canopy

Understanding activity beneath the tree canopy

Challenge

	Challenge ID	OTM:076				
1	Title	Understanding activity beneath the tree canopy				
2	Theme ID	ON 5.1: Logistics planning and operations - Baseline mapping of terrain and infrastructure				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	Exxon, Petronas				
General description		Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	In areas of dense tree cover, imagery alone does not provide us with the information that we need to acquire e.g. infrastructure, populations in the local area				
6	Thematic information requirements	12. Identify the presence of sub-surface or covered infrastructure,				
7	Nature of the challenge - What effect does this challenge have on operations?	Delays as on-the-ground surveys are required to assess ecological environments prior to any development activity taking place.				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	On-the-ground surveys				
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	4	3	3	3
12	Climate classification	NOT CLIMATE SPECIFIC - although particular relevance to temperate or tropical areas				
13	Geographic context/restrictions	Generic onshore (Unspecified)				
14	Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15	Seasonal variations	Any season				
16	Impact Area	Any				
17	Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements						
18	Update frequency					
19	Data Currently used					
20	Spatial resolution					
21	Thematic accuracy					
22	Example formats					
23	Timeliness	Reference data - timeliness not important				
24	Geographic Extent	District area				
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

