

OTM-077: Validating co-ordinates of old wells

Validating co-ordinates of old wells

Challenge

	Challenge ID	OTM:077				
1	Title	Validating co-ordinates of old wells				
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?)	Old well records are commonly inaccurate because the final well location has not been recorded correctly. In some instances, the record does not even exist because it has been lost or destroyed. It would be beneficial to have a way of remotely validating the location of the well e.g. through the identification of disturbed ground, the presence of historical roads or other infrastructure				
6	Thematic information requirements	9. Obtain detailed imagery of assets, 12. Identify the presence of sub-surface or covered infrastructure, 14. Obtain detailed imagery of the surface,				
7	Nature of the challenge - What effect does this challenge have on operations?	Risk of being seen as negligent. Also cost implications if existing infrastructure is not used. Biggest implication is that wells cannot be brought back on line, and profit subsequently not realised.				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Company records, together with mapping, but both may be inaccurate / not fully inclusive.				
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]	2	2	0	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	HSE, operational cost reduction and efficiency				
17	Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements						
18	Update frequency	Not important				
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