

OTM-071: Planning around protected sites

Planning around protected sites

Challenge

Challenge ID	OTM:071				
1 Title	Planning around protected sites				
2 Theme ID	ON 5.3: Logistics planning and operations - Facility siting, pipeline routing and roads development				
3 Originator of Challenge	Onshore: OTM				
4 Challenge Reviewer / initiator	Ardan-Africa, Exxon, Tullow, Petronas				
General description		Overview of Challenge			
5 What is the nature of the challenge? (What is not adequately addressed at present?)	Base maps available are often limited to Google maps. In parts of East and Central Africa, the landscape can be very fluid over time - river routes can change, communities move, vegetation might change. What we are using often isn't sufficiently up-to-date, we need more current information to plan to.				
6 Thematic information requirements	This is particularly important when identifying areas where there might be burial sites, religious areas, important ecological areas etc...				
7 Nature of the challenge - What effect does this challenge have on operations?	3. Obtain detailed vegetation information, 4. Obtain detailed land-use information, 6. Identify inland water bodies and determine water quality, 10. Fauna and presence and patterns,				
8 What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Planning can be inefficient and wasted if required information is not available. Although all activity requires an on-the-ground scout to be undertaken, the turn-around timetable of this can be greatly enhanced with mapping data of sufficiently high qual				
9 What kind of solution do you envisage could address this challenge?	Existing mapping of environmental areas, although this can often be out of date or inaccurate				
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	2	0	2
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					
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

