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. This is particularly important when identifying areas where there might be burial sites, religious areas, important ecological areas etc...				
6	Thematic information requirements	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,				
7	Nature of the challenge - What effect does this challenge have on operations?	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				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Existing mapping of environmental areas, although this can often be out of date or inaccurate				
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	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