OTM-063: Resettlement assessment

Resettlement assessment

Challenge

	Challenge ID	OTM:063				
1	Title	Resettlement assessment				
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	Ramani, Statoil, Shell				
	General description	Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	New developments can require relocation of communities and existing infrastructure. The value of the occupied land for compensation / purchase needs to be made at a particular time and day, and needs to be supported by documentary evidence relating to the status of the area at the given time and date. Getting sufficiently accurate mapping / geo-data in a timely manner can be challenging.				
6	Thematic information requirements	4. Obtain detailed land-use information, 9. Obtain detailed imagery of assets,				
7	Nature of the challenge - What effect does this challenge have on operations?	If this data is not available, the development process can be stalled and time to development can be severely delayed. Costs associated with numerous failed attempts at getting this data (for example in tropical areas where cloud cover can be an issue),				
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?	Very high to medium resolution EO data to monitor land use changes.				
10	What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?	EO could be a useful complimentary technology				
	Challenge classification					
11	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact quantification [1]	4	0	2	0	0
12	Climate classification	Areas with notable cloud cover				
13	Geographic context/restrictions	Generic onshore (Unspecified)				
14	Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15	Seasonal variations	Particularly relevant for wet season				
16	Impact Area	Operational cost reduction				
17	Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
	Information requirements					
18	Update frequency	snap-shot requirement				
19	Data Currently used	Aerial imagery				
20	Spatial resolution	Aerial imagery				
21	Thematic accuracy					
22	Example formats					
23	Timeliness	Within hours - data needs to correspond to a specified moment in time				
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