

# OTM-044: Identifying steep terrain for seismic vehicles

## Identifying steep terrain for seismic vehicles

### Challenge

	Challenge ID	OTM:044				
1	Title	Identifying steep terrain for seismic vehicles				
2	Theme ID	ON 1.2: Seismic Planning - Identification of adverse terrain for trafficability				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	Statoil, BP, Shell, Ardan-Africa, Eni, Exxon, Tullow, Petronas				
General description		Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	We need to identify slopes to avoid roll-over of seismic vehicles				
6	Thematic information requirements	1. Obtain detailed topographic information,				
7	Nature of the challenge - What effect does this challenge have on operations?	This information can be used in conjunction with, for example, our emergency action plan or the locating of assets or infrastructure				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Online imagery can be used but it does not show changes in elevation particularly clearly. LiDAR data can be obtained or ground survey teams can be deployed.				
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	3	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	Health and Safety				
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