

Hatfield-1210: Identify soft ground to reduce environmental impacts

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Challenge

Challenge ID:	HCP-1210	Originator:	Onshore: Hatfield
Title:	Identify soft ground to reduce environmental impacts.		
Theme:	ON 1.2: Seismic Planning - Identification of adverse terrain for trafficability		
Consortium Lead:	RPS Group	Interviewed Company:	RPS Group
Geography:	ON.REG.00 - Generic onshore		
Challenge Description			
What is not possible / not adequately addressed at present?			
Soft ground susceptible to land use impacts such as rutting from equipment movement. Need to reduce environmental impacts of surveys.			
What effect does this challenge have on operations?			
Environmental footprint issue if damage is not minimized. Operational costs can increase due to compensation for damage to land and/or efficiency of surveys.			
Thematic information requirements:	Terrain information Lithology, structural geology, surficial geology Water quantity		
What do you currently do to address this challenge? How is this challenge conventionally addressed?			
Local knowledge and reconnaissance. Avoid operations in rainy season in tropical countries.			
What kind of solutions do you envisage could address this challenge?			
Weather forecasts to predict wet season end / conditions. Surface water extent and soil moisture information.			
What is your view on the capability of technology to meet this need? Are you currently using EO tech? If not, why not?			
None			
Challenge Classification			
Impact on Lifecycle (0=none, 4=high):		Climate / Topography / Urgency:	
Pre-license:	1	Climate class:	Tropical humid, Mild Mid-Latitude
Exploration:	3	Topographic class:	Agricultural
Development:	1	Seasonal variations:	Wet season focus
Production:	1	Impact area:	Cost reduction, Environmental
Decommissioning:	1	Technology urgency:	3 - Immediately (0-2 years)
Challenge Information Requirements			
Update frequency:	Snapshot		
Data currently used:	High resolution imagery		
Spatial resolution:	License		
Thematic accuracy:	Not specific		
Required formats:	Not Specific		

Timeliness (Vintage):	Reference data
Geographic extents:	Basin
Existing standards:	None

Relevant products

Content by label

There is no content with the specified labels

