Hatfield-1105: Identify permafrost zone for data analysis

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Challenge

Challenge ID:	HCP-1105	Originator:	Onshore: Hatfield
Title:	**Identify permafrost zone for data analysis.**		
Theme:	ON 1.1: Seismic Planning - Areas of poor coupling		
Consortium Lead:	RPS Group	Interviewed Company:	RPS Group
Geography:	ON.REG.03 - Canada		

Challenge Description	
What is not possible / not adequately addressed at present?	
Information on discontinuous permafrost zone is useful for seismic data processing.	
What effect does this challenge have on operations?	
Need to know the permafrost zone for planning effective survey and processing.	
Thematic information requirements:	Land cover Terrain information
What do you currently do to address this challenge? How is this challenge conventionally addressed?	
Conduct surveys in the winter with frozen ground. Will also look for the best available existing permafrost maps for survey area.	
What kind of solutions do you envisage could address this challenge?	
Up to date and higher fidelity information on permafrost extent.	
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:	2	Climate class:	Severe Mid-Latitude, Polar
Exploration:	3	Topographic class:	Snow/ice
Development:	1	Seasonal variations:	Warmer weather focus
Production:	1	Impact area:	Data Quality
Decommissioning:	1	Technology urgency:	3 - Immediately (0-2 years)

Challenge Information Requirements	
Update frequency:	Snapshot
Data currently used:	Topographic maps
Spatial resolution:	Regional, Basin
Thematic accuracy:	Not specific
Required formats:	Not Specific
Timeliness (Vintage):	Reference data
Geographic extents:	Regional
Existing standards:	None

Relevant products

Content by label

There is no content with the specified labels