

Hatfield-1104: Identify lake, river and coastal ice grounding status for data quality

Identify lake, river and coastal ice grounding status for data quality

Challenge

Challenge ID:	HCP-1104	Originator:	Onshore: Hatfield
Title:	Identify lake, river and coastal ice grounding status for data quality.		
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?			
Complex patterns of small water bodies and ice conditions can affect data quality.			
What effect does this challenge have on operations?			
Ice status (ground/floating/thickness) can affect signal transmission, data interpretation, and data quality.			
Thematic information requirements:	Water Quantity		
What do you currently do to address this challenge?			
How is this challenge conventionally addressed?			
Use a GPR for ice thickness and also conduct some augering to determine ice conditions.			
What kind of solutions do you envisage could address this challenge?			
Map of water bodies and ice conditions for specific survey period.			
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:	Severe Mid-Latitude, Polar
Exploration:	3	Topographic class:	Snow/ice
Development:	2	Seasonal variations:	Colder 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, GPR, ice augering		
Spatial resolution:	Regional, Basin		
Thematic accuracy:	Not specific		
Required formats:	Not Specific		
Timeliness (Vintage):	Within a month		
Geographic extents:	Regional		

Existing standards:	None
---------------------	------

Relevant products

Content by label

There is no content with the specified labels