

Hatfield-5102: Assess potential project site for historical use

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Challenge

Challenge ID:	HCP-5102	Originator:	Onshore: Hatfield
Title:	Assess potential project site for historical use.		
Theme:	ON 5.1: Logistics planning and operations - Baseline mapping of terrain and infrastructure		
Consortium Lead:	Arup	Interviewed Company:	Arup
Geography:	ON.REG.00 - Generic onshore		
Challenge Description			
What is not possible / not adequately addressed at present?			
Identify historic land-use change, possible obstructions, contamination, and geohazards (river migration, flooding, slope instability etc.) due to previous site operations.			
What effect does this challenge have on operations?			
Identify hazards and risk register prior to construction to allow for mitigation strategy to be developed.			
Thematic information requirements:	Land use		
What do you currently do to address this challenge?			
How is this challenge conventionally addressed?			
Desk study research including review of historic archive data (topo maps, air photographs, satellite imagery), site walkover surveys.			
What kind of solutions do you envisage could address this challenge?			
Archive datasets - use of imagery of long historic time period.			
What is your view on the capability of technology to meet this need?			
Are you currently using EO tech? If not, why not?			
Already feasible, but archives of data sources are widely distributed and not widely known.			
Challenge Classification			
Impact on Lifecycle (0=none, 4=high):		Climate / Topography / Urgency:	
Pre-license:	1	Climate class:	Generic climate
Exploration:	0	Topographic class:	Not specific
Development:	4	Seasonal variations:	Any season
Production:	3	Impact area:	Environmental
Decommissioning:	3	Technology urgency:	2 - Short term (2-5 years)
Challenge Information Requirements			
Update frequency:	Snapshot		
Data currently used:	Aerial imagery, historical records, field assessments		
Spatial resolution:	Regional		
Thematic accuracy:	Not specific		
Required formats:	Not specific		
Timeliness (Vintage):	Within six months		
Geographic extents:	License		
Existing standards:	None		

Relevant products

Content by label

There is no content with the specified labels