Hatfield-1212: Identify sabkahs / salt lake areas

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Challenge

Challenge ID:	HCP-1212	Originator:	Onshore: Hatfield
Title:	**Identify sabkahs / salt lake areas.**		
Theme:	ON 1.2: Seismic Planning - Identification of adverse terrain for trafficability		
Consortium Lead:	RPS Group	Interviewed Company:	RPS Group
Geography:	ON.REG.02 - Australia		

Challenge Description
What is not possible / not adequately addressed at present?
If a crust is present it might fail/break when vibroseis vehicles are operational. An issue in countries such as Australia, Egypt and Ethiopia.
What effect does this challenge have on operations?
Health and safety risk that requires mitigation. If hazard is not identified, can cause damage to equipment and personnel.

Thematic information requirements:	Ortho base images Water quantity Terrain information

What do you currently do to address this challenge? How is this challenge conventionally addressed?
Use available base data and satellite images to assess ground conditions.
What kind of solutions do you envisage could address this challenge?
A method to accurately identify sabkahs.
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:	Dry
Exploration:	3	Topographic class:	Not specific
Development:	1	Seasonal variations:	Any season
Production:	1	Impact area:	Health and Safety, Cost reduction
Decommissioning:	1	Technology urgency:	3 - Immediately (0-2 years)

Challenge Information Requirements

Update frequency:	Snapshot
Data currently used:	Medium resolution imagery
Spatial resolution:	Basin
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