Hatfield-1302: Assess and map forest fire risk and provide situational awareness of fire occurrence.

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Challenge

Challenge ID:	HCP-1302	Originator:	Onshore: Hatfield
Title:	**Assess and map forest fire risk and provide situational awareness of fire occurrence.**		
Theme:	ON 1.3: Seismic Planning - Identification of environmentally sensitive areas		
Consortium Lead:	Hatfield	Interviewed Company:	Hatfield
Geography:	ON.REG.00 - Generic onshore		

Challenge Description
What is not possible / not adequately addressed at present?
Need to assess risk of forest fires (natural and man-made) in survey areas during period when crews will be on the ground. Fire information and monitoring is required for situational awareness to ensure that crews can be safely evacuated if needed.
What effect does this challenge have on operations?
Information is required to manage health and safety risks for survey personnel in an operational setting. There may be uncertainty regarding the need to evacuate or timing of evacuation.

Thematic information requirements:	Distribution and status of infrastructure Land Cover Ortho base images

What do you currently do to address this challenge? How is this challenge conventionally addressed?
Monitor official bulletins on fires for decision-making. Review the best available information on fire risk.
What kind of solutions do you envisage could address this challenge?
Improved standard approach to forest fire risk modelling. Operational monitoring of fires during fire season. Daily map updates on fire occurrence in proximity to exploration activities.
What is your view on the capability of technology to meet this need? Are you currently using EO tech? If not, why not?
Cloud cover issues for fire detection. Need reliable service and information.

Challenge Classification			
Impact on Lifecycle (0=none, 4=high):		Climate / Topography / Urgency:	
Pre-license:	1	Climate class:	Tropical humid, Dry, Mild Mid-Latitude, Severe Mid-Latitude
Exploration:	2	Topographic class:	Forest / woodland
Development:	2	Seasonal variations:	Dry season focus
Production:	2	Impact area:	Health and Safety, Cost reduction
Decommissioning:	1	Technology urgency:	3 - Immediately (0-2 years)

Challenge Information Requirements	
Update frequency:	Snapshot to daily

Data currently used:	Government bulletins, published fire risk information
Spatial resolution:	Basin
Thematic accuracy:	Not specific
Required formats:	Maps and bulletins
Timeliness (Vintage):	Reference data and as close to real-time as possible
Geographic extents:	Basin
Existing standards:	None

Relevant products

Content by label

There is no content with the specified labels