

OTM-047: Logistics planning for emergency events (emergency response planning)

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Challenge

Challenge ID	OTM:047				
1 Title	Logistics planning for emergency events (emergency response planning)				
2 Theme ID	ON 5.2: Logistics planning and operations - Support to surveying crews for planning surveys and H&S				
3 Originator of Challenge	Onshore: OTM				
4 Challenge Reviewer / initiator	PEMEX, Statoil, PetroSA, Tullow				
General description	Overview of Challenge				
5 What is the nature of the challenge? (What is not adequately addressed at present?)	We need to create emergency action plans that enable evacuation & access to areas of operation that can be very remote. It is necessary to know routes to different points. Route planning can also influence security planning to ascertain where security risks might need to be considered				
6 Thematic information requirements	1. Obtain detailed topographic information, 2. Obtain detailed terrain characterisation, 3. Obtain detailed vegetation information, 4. Obtain detailed land-use information, 5. Identify location and condition of transport infrastructure,				
7 Nature of the challenge - What effect does this challenge have on operations?	The health, safety and welfare of operational staff is critical. We must ensure that in the event of any incident, measures are in place that can ensure our staff are as safe as possible. Without this, our operations cannot take place.				
8 What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Online imagery, ground survey teams				
9 What kind of solution do you envisage could address this challenge?	Very high to high resolution EO data to derive land use information, with focus on transportation infrastructure. Resolution depends on covered area and size of analysis objective.				
10 What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?					
Challenge classification					
11 Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
Score from impact quantification [1]	3	3	3	3	3
12 Climate classification	NOT CLIMATE SPECIFIC				
13 Geographic context/restrictions	Generic onshore (Unspecified)				
14 Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15 Seasonal variations	Any season				
16 Impact Area	Health and Safety				
17 Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements					
18 Update frequency	Snap shot requirement				
19 Data Currently used					
20 Spatial resolution					
21 Thematic accuracy					
22 Example formats					
23 Timeliness	Reference data - timeliness not important				
24 Geographic Extent	district area				
25 Existing standards					

[1] Impact quantification scores: 4 – Critical/ enabling; 3 – Significant/ competitive advantage; 2 – Important but non-essential; 1 – Nice to have; 0 – No impact, need satisfied with existing technology

Relevant products

Content by label

There is no content with the specified labels

