

OTM-075: Creating basemaps in politically challenging regions

Creating basemaps in politically challenging regions

Challenge

Challenge ID	OTM:075				
1 Title	Creating basemaps in politically challenging regions				
2 Theme ID	ON 5.1: Logistics planning and operations - Baseline mapping of terrain and infrastructure				
3 Originator of Challenge	Onshore: OTM				
4 Challenge Reviewer / initiator	DFID				
General description					
Overview of Challenge					
5 What is the nature of the challenge? (What is not adequately addressed at present?)	If you can't get government "on-side", then obtaining basemaps of an area can be very complicated, especially when aerial surveys are refused etc...				
6 Thematic information requirements	1. Obtain detailed topographic information, 2. Obtain detailed terrain characterisation, 3. Obtain detailed vegetation information, 5. Identify location and condition of transport infrastructure, 14. Obtain detailed imagery of the surface,				
7 Nature of the challenge - What effect does this challenge have on operations?	Delay in developing / exploration activity				
8 What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Aerial surveys, but these are often difficult to deploy if political will is not there.				
9 What kind of solution do you envisage could address this challenge?	Imagery which can navigate around local bureaucracy would be useful				
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]	2	2	0	0	0
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	Development costs				
17 Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements					
18 Update frequency	Not important				
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