

OTM-019: Reconnaissance survey for EIA

Reconnaissance survey for EIA

Challenge

	Challenge ID	OTM:019				
1	Title	Reconnaissance survey for EIA				
2	Theme ID	ON 4.1: Environmental monitoring - Baseline historic mapping of environment and ecosystems				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	Statoil, Ardan-Africa, Eni, Chevron				
General description		Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	It is critical that our operations have minimal detrimental impact on the environment. The earlier we can start our EIA planning, the better we can meet this objective. Accurate and detailed mapping helps us perform a comprehensive desktop element of the EIA which is supported by a ground survey that is well planned and targetted.				
6	Thematic information requirements	3. Obtain detailed vegetation information, 4. Obtain detailed land-use information, 5. Identify location and condition of transport infrastructure, 6. Identify inland water bodies and determine water quality, 7. Determine air quality, 10. Fauna a				
7	Nature of the challenge - What effect does this challenge have on operations?	The ability to commence the EIA as early as possible (i.e. without leaving the office) helps us to ensure that our surveys are well planned, time on-the-ground is spent efficiently, and that our baseline is comprehensive. This ensures that overall projec				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Currently use inadequate mapping, and thus have to deploy on-the-ground surveys sooner than we would like.				
9	What kind of solution do you envisage could address this challenge?	Very high to medium resolution EO data to derive land cover and current and use information.				
10	What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?	EO could be a useful complimentary technology				
Challenge classification						
11	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact quantification [1]	2	3	2	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	Environment, operational cost reduction, strategic decision enabler				
17	Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements						
18	Update frequency	Semi-annually				
19	Data Currently used					
20	Spatial resolution					
21	Thematic accuracy					
22	Example formats					
23	Timeliness	Within a month				
24	Geographic Extent	District area to reservoir footprint				
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 product

Content by label

There is no content with the specified labels