OTM-055: Obtaining detailed terrain mapping for DEM construction

Obtaining detailed terrain mapping for DEM construction

Challenge

Title Obtaining detailed terrain mapping for DEM construction Or 24: Surface Geology Mapping - Terrain evaluation and Geo-morphology characterization Onshore OTM Contend description General description Obtain, Statoil, BP, Shell, Exxon, Tullow, Petronas, Chevron Observes of Challenge What is the nature of the challenge? (What is not adequately addressed at present?) What is the nature of the challenge? (What is not adequately addressed at present?) Digital elevation models (DEMs) are currently constructed by overlapping imagery with e.g. LIDAR, terrain and geological information. It would be advantageous if we could do this more efficiently (cost' time). They can be used to develop a risk assessment map. I. Obtain detailed to poperaphic information, 2. Obtain detailed terrain characterisation, 1.4. Obtain detailed imagery of the surface, Oberloying ground staff is costly and carries an associated safety risk to operatives. The requirement to deploy ground staff will and should never be completely removed but if we could deploy them with a thorough and accurate understanding of the are What do you currently do to address this challenge? How is this challenge or conventionally addressed? What kind of solution do you envisage could address this challenge? What kind of solution do you envisage could address this challenge? 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 Information requirements 10 Climate classification / Offshore classification / Offshore classification of the content of the conten		Challenge ID	OTM:055					
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^[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