

Hatfield-4105: Identification of cultural heritage and archeology assessment

Identification of cultural heritage and archeology assessment

Challenge

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|---|--|---------------------------------|---------------------------|
| Challenge ID: | HCP-4105 | Originator: | Onshore: Hatfield |
| Title: | Identification of cultural heritage and archeology assessment. | | |
| Theme: | ON 4.1: Environmental monitoring - Baseline historic mapping of environment and ecosystems | | |
| Consortium Lead: | RPS Group | Interviewed Company: | RPS Group |
| Geography: | ON.REG.00 - Generic onshore | | |
| Challenge Description | | | |
| What is not possible / not adequately addressed at present? | | | |
| Macroscale cultural archeological remnants need to be understood for social and cultural risk management and mitigation (e.g. tumuli in Algeria). | | | |
| What effect does this challenge have on operations? | | | |
| Important to ensure that operations manage environmental and social risks. The social license to operate requires no damage to culturally-sensitive areas. | | | |
| Thematic information requirements: | Ortho base images Terrain information Topographic information | | |
| What do you currently do to address this challenge? | | | |
| How is this challenge conventionally addressed? | | | |
| Consultation or prior determined areas. | | | |
| What kind of solutions do you envisage could address this challenge? | | | |
| Mapping of certain cultural features or sites using satellite images. | | | |
| What is your view on the capability of technology to meet this need? | | | |
| Are you currently using EO tech? If not, why not? | | | |
| Many features are small, partially or fully buried, or only found through interviews with local populations. Potential further use of EO in archaeology; for example to detect soil compaction from previous settlements, or indirect assessment of potential f | | | |
| Challenge Classification | | | |
| Impact on Lifecycle (0=none, 4=high): | | Climate / Topography / Urgency: | |
| Pre-license: | 2 | Climate class: | Generic climate |
| Exploration: | 4 | Topographic class: | Not specific |
| Development: | 4 | Seasonal variations: | Warmer weather focus |
| Production: | 0 | Impact area: | Environmental |
| Decommissioning: | 0 | Technology urgency: | 1 - Mid-Term (5-10 years) |
| Challenge Information Requirements | | | |
| Update frequency: | Snapshot | | |
| Data currently used: | Existing government reports | | |
| Spatial resolution: | Basin | | |
| Thematic accuracy: | Not specific | | |

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|-----------------------|-------------------|
| Required formats: | Not Specific |
| Timeliness (Vintage): | Within six months |
| Geographic extents: | Regional |
| Existing standards: | None |

Relevant products

Content by label

There is no content with the specified labels