

## CLS-2.7: Monitoring water discharge/drill cuttings

### Monitoring water discharge/drill cuttings

#### Challenge

#### CLS\_OFF.2.7 : Monitoring water discharge/drill cuttings

|    |                                                                 |                                                                                                                                                                                                                                                                                                |      |      |       |        |
|----|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------|--------|
| 1  | Challenge ID                                                    | CLS_OFF.2.7                                                                                                                                                                                                                                                                                    |      |      |       |        |
| 2  | Title                                                           | Monitoring water discharge/drill cuttings                                                                                                                                                                                                                                                      |      |      |       |        |
| 3  | Originator of Challenge                                         | STATOIL                                                                                                                                                                                                                                                                                        |      |      |       |        |
|    | General description                                             |                                                                                                                                                                                                                                                                                                |      |      |       |        |
| 4  | What data/products do you currently use?                        | mainly SAR images are used for observing water discharge/drill cuttings                                                                                                                                                                                                                        |      |      |       |        |
| 5  | When do you use this kind of dataset?                           | This is an assessment needed as part of the drilling permit process.                                                                                                                                                                                                                           |      |      |       |        |
| 6  | What are your actual limitations and do you have a work around? | n/a                                                                                                                                                                                                                                                                                            |      |      |       |        |
| 7  | Needs and expectations on EO data                               | It could be useful to see processed water by SAR images and to have a better coverage at low latitude.<br>SAR:<br>• Synoptic (every 6 hours) observations<br>• Multi-band observations                                                                                                         |      |      |       |        |
|    | Challenge classification                                        |                                                                                                                                                                                                                                                                                                |      |      |       |        |
| 8  | Lifecycle stage                                                 | Pre license                                                                                                                                                                                                                                                                                    | Exp. | Dev. | Prod. | Decom. |
|    | Score from impact                                               |                                                                                                                                                                                                                                                                                                | 4    |      |       |        |
| 9  | Geographic context /restrictions                                | Main region of interest: <ul style="list-style-type: none"> <li>• Caspian Sea</li> <li>• Angola</li> <li>• Brazil</li> <li>• Mozambique</li> <li>• Ireland</li> <li>• Myanmar at an early phase</li> <li>• Mediterranean sea</li> <li>• South Africa</li> </ul> No need for location on China. |      |      |       |        |
| 10 | Topographic classification / Offshore classification            | n/a                                                                                                                                                                                                                                                                                            |      |      |       |        |
| 11 | Activity impacted /concerned                                    | n/a                                                                                                                                                                                                                                                                                            |      |      |       |        |
| 12 | Urgency (How quickly does the user need the solution)           | mid-term (5-10 years), for SAR dual frequency;                                                                                                                                                                                                                                                 |      |      |       |        |
|    | Information requirements                                        |                                                                                                                                                                                                                                                                                                |      |      |       |        |
| 13 | Update frequency                                                | daily                                                                                                                                                                                                                                                                                          |      |      |       |        |
| 14 | Temporal resolution                                             | hourly                                                                                                                                                                                                                                                                                         |      |      |       |        |

|    |                          |            |
|----|--------------------------|------------|
| 15 | Spatial resolution       | n/a        |
| 16 | Data quality             | n/a        |
| 17 | Data Coverage and extent | n/a        |
| 18 | Example formats          | n/a        |
| 19 | Timeliness               | Once a day |
| 20 | Existing standards       | n/a        |

## Relevant products

### Content by label

There is no content with the specified labels