

CLS-2.2: Seismic survey: current velocities (3D and 4d surveys)

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Challenge

CLS_OFF.2.2 : seismic survey: current velocities (3D and 4d surveys)

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|----|---|--|------|------|-------|--------|
| 1 | Challenge ID | CLS_OFF.2.2 | | | | |
| 2 | Title | seismic survey: current velocities (3D and 4D surveys) | | | | |
| 3 | Originator of Challenge | Metocean experts | | | | |
| | General description | | | | | |
| 4 | What data/products do you currently use? | historical adcp data, HADCP, models | | | | |
| 5 | When do you use this kind of dataset? | survey preparation | | | | |
| 6 | What are your actual limitations and do you have a work around? | Lack of data, poor spatial coverage, inaccurate data | | | | |
| 7 | Needs and expectations on EO data | Higher quality data and better 2D coverage | | | | |
| | Challenge classification | | | | | |
| 8 | Lifecycle stage | Pre license | Exp. | Dev. | Prod. | Decom. |
| | Score from impact | | 4 | | | |
| 9 | Geographic context /restrictions | Worldwide | | | | |
| 10 | Topographic classification / Offshore classification | <ul style="list-style-type: none"> Coastal water shallow water deep water | | | | |
| 11 | Activity impacted /concerned | Operational cost reduction, less infilling, better quality seismic data | | | | |
| 12 | Urgency (How quickly does the user need the solution) | n/a | | | | |
| | Information requirements | | | | | |
| 13 | Update frequency | Ocean processes: 3 hours as high as possible | | | | |
| 14 | Temporal resolution | hourly | | | | |
| 15 | Spatial resolution | as high as possible, at 4km depth up to 100-200m or deeper (increased for 3D needs) | | | | |
| 16 | Data quality | good | | | | |
| 17 | Data Coverage and extent | Over survey area, typically 100km x 100km | | | | |

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|----|--------------------|------------------------------------|
| 18 | Example formats | GIS format, netCDF... |
| 19 | Timeliness | RT application as fast as possible |
| 20 | Existing standards | n/a |

Relevant products

Content by label

There is no content with the specified labels