# CLS-6.1: Global requirements on EO products

## Global requirements on EO products

## Challenge

### CLS_OFF.6.1 : Global requirements on EO products

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|---|---|---|---|---|---|---|
| 1 | Challenge ID | CLS_OFF.6.1 | | | | |
| 2 | Title | Global requirements on EO products | | | | |
| 3 | Originator of Challenge | All contacts | | | | |
| | General description | | | | | |
| 4 | What data/products do you currently use ? | n/a | | | | |
| 5 | When do you use this kind of dataset? | n/a | | | | |
| 6 | What are your actual limitations and do you have a work around? | • The main issue with the use of EO products is the poor knowledge about their performance and reliability. Validation and communication ESA/industry around these data are paramount.<br>• The limitation concerning the use of EO products can be the difficulty to have a guaranteed access to these data. (A model is more likely to provide this guarantee) Ex: This issue happens with EnviSAT. It delivered excellent products but there were many difficulties in getting the data timeliness in NRT.<br>• Another issue is the lack of tools to read and view this data. The products should be provided in a common format to producers (Matlab, Fortran) or delivered with a turnkey tool.<br>• Problem of having a time series referred to a specific location. Satellite data are sparse in both time and space | | | | |
| 7 | Needs and expectations on EO data | Workshops with ESA to communicate on these tools (validation case studies) and the reliability of these products could be very useful.<br>A new analyze of the climate change with the EO data could also be of a great help.<br>CRYOSAT Data are really needed for operational issues. Communication about these products needs to be done.<br>There is also a need to communicate more upstream with the science community | | | | |
| | **Challenge classification** | | | | | |
| 8 | Lifecycle stage | *Pre license* | *Exp.* | *Dev.* | *Prod.* | *Decom.* |
| | Score from impact | 1 | 1 | 1 | 1 | 1 |
| 9 | Geographic context /restrictions | n/a | | | | |
| 10 | Topographic classification / Offshore classification | n/a | | | | |

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|---|---|---|
| 11 | Activity impacted /concerned | Main advantage (besides money saving): standardizing of the data, same reference, same standards for every O&G plateform studies.<br><br>Data homogeneity among all operators to represent the environment and relation with regulatory bodies, continuity on calibration. |
| 12 | Urgency<br>(How quickly does the user need the solution) | n/a |
| | **Information requirements** | |
| 13 | Update frequency | n/a |
| 14 | Temporal resolution | n/a |
| 15 | Spatial resolution | n/a |
| 16 | Data quality | n/a |
| 17 | Data Coverage and extent | More easy access to some area outside the limitation [52°N-52° S]. |
| 18 | Example formats | n/a |
| 19 | Timeliness | n/a |
| 20 | Existing standards | n/a |

# Relevant products

**Content by label**

There is no content with the specified labels