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| **Version:** 0.0 Month Year |

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| Essential Ocean Variable Specification Sheet | |  |
| Document title | | Logo, icon  Description automatically generated |
|  | **EOV Specification Sheet curated by: A picture containing text, clipart  Description automatically generated** | |
| Global Ocean Observing System (2021). Essential Ocean Variable Specification Sheet:  [EOV name]. GOOS Reference No; DOI: [to be assigned, e.g. by depositing on the  Zenodo repository] |

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| Background and justification |  |  |
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# EOV Information

|  |  |  |
| --- | --- | --- |
| Name of EOV | | [EOV name] |
| EOV sub-variables | | [Sub-variable [[1]](#footnote-1)]  [Sub-variable [[2]](#footnote-2)] |
| [Space for optional comment/reference] |
| Corresponding other Essential Variables | ECV | [Insert text] |
| EBV | [Insert text] |
| Other | [Insert text] |
| Relevant global indicators | SDG | [SDG #: Title] |
| CBD | [Insert text] |
| Climate | [Insert text] |
|  | other (e.g. regional such as MSFD) | [Insert text] |
| Other derived products | | [Insert text] |
| Supporting variables | | [Insert text] |
| EOV Spec Sheet curator | | [Insert text] |

# Requirements setting: Phenomena

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| GOOS Applications / Societal Drivers / Pressures / Scientific Question | | [Insert text] | | |
| Readiness level | | [Insert text] | | |
| Phenomena to capture | | **Phenomenon #1** | **Phenomenon #2** | **Phenomenon #N** |
| Coverage | **horizontal** | [Refer to list of options] | [Refer to list of options] | [Refer to list of options] |
| **depth** | [Refer to list of options] | [Refer to list of options] | [Refer to list of options] |
| Spatial scale/resolution  [order of magnitude] | **horizontal** | [Insert text] | [Insert text] | [Insert text] |
| **vertical** | [Insert text] | [Insert text] | [Insert text] |
| Temporal scale/resolution | | [Insert text] | [Insert text] | [Insert text] |
| Signal to capture | | [Insert text] | [Insert text] | [Insert text] |
| EOV subvariables required | | [Insert text, comma-separated] | [Insert text, comma-separated] | [Insert text, comma-separated] |
| Relevant global indicators | | [Insert text, comma-separated, [hyperlinked](https://www.goosocean.org)] | [Insert text, comma-separated, [hyperlinked](https://www.goosocean.org)] | [Insert text, comma-separated, [hyperlinked](https://www.goosocean.org)] |

# Page title

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| [Add picture / Chart / Diagram] |  | **Figure X:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus. |

# GOOS EOV / GCOS requirements

|  |  |  |
| --- | --- | --- |
| ● Goal | ● Breakthrough | ● Threshold |

|  |  |
| --- | --- |
| EOV/ECV | [Insert text] |
| EOV/ECV definition | [Insert text] |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EOV Sub-variable / ECV Product: [Insert name #1] | | | | | | | | | |
| **Definition** | | | | | | | **Layer** | **Coverage** | |
| [Refer to list of options] | | | | | | | [Insert text] | [Insert text] | |
| **Resolution** | | | | **Uncertainty** | | | **Application** | **Comments/References** |
| **Spatial resolution: horizontal** | **Spatial resolution: vertical** | **Temporal resolution** | **Timeliness** | **Required measurement uncertainty** | **Stability for users** | **Phenomena** | [Insert text] | [Insert text] |
| [Goal] | [Goal] | [Goal] | [Goal] | [Goal] | [Goal] | [Insert text] |
| [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] |
| [Threshold] | [Threshold] | [Threshold] | [Threshold] | [Threshold] | [Threshold] |

|  |  |  |  |  |  |  |  |  |  |
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| EOV Sub-variable / ECV Product: [Insert name #2] | | | | | | | | | |
| **Definition** | | | | | | | **Layer** | **Coverage** | |
| [Refer to list of options] | | | | | | | [Insert text] | [Insert text] | |
| **Resolution** | | | | **Uncertainty** | | | **Application** | **Comments/References** |
| **Spatial resolution: horizontal** | **Spatial resolution: vertical** | **Temporal resolution** | **Timeliness** | **Required measurement uncertainty** | **Stability for users** | **Phenomena** | [Insert text] | [Insert text] |
| [Goal] | [Goal] | [Goal] | [Goal] | [Goal] | [Goal] | [Insert text] |
| [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] |
| [Threshold] | [Threshold] | [Threshold] | [Threshold] | [Threshold] | [Threshold] |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EOV Sub-variable / ECV Product: [Insert name #3] | | | | | | | | | |
| **Definition** | | | | | | | **Layer** | **Coverage** | |
| [Refer to list of options] | | | | | | | [Insert text] | [Insert text] | |
| **Resolution** | | | | **Uncertainty** | | | **Application** | **Comments/References** |
| **Spatial resolution: horizontal** | **Spatial resolution: vertical** | **Temporal resolution** | **Timeliness** | **Required measurement uncertainty** | **Stability for users** | **Phenomena** | [Insert text] | [Insert text] |
| [Goal] | [Goal] | [Goal] | [Goal] | [Goal] | [Goal] | [Insert text] |
| [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] | [Breakthrough] |
| [Threshold] | [Threshold] | [Threshold] | [Threshold] | [Threshold] | [Threshold] |

# Current observing elements

## (networks and communities of practice)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Observing element | **Approach/platform** | **[Insert text]** | **[Insert text]** | **[Insert text]** |
| **Readiness Level** | [Insert text] | [Insert text] | [Insert text] |
| **Coordinated observing network(s)/community (if any)** | [Insert text] | [Insert text] | [Insert text] |
| **OCG network specification sheet** | [Insert text] | [Insert text] | [Insert text] |
| EOV sub-variables measured | | [Insert text] | [Insert text] | [Insert text] |
| Standard spatial sampling | **horizontal coverage** | [Insert text] | [Insert text] | [Insert text] |
| **depth coverage** | [Insert text] | [Insert text] | [Insert text] |
| **resolution** | [Insert text] | [Insert text] | [Insert text] |
| **operating period** | [Insert text] | [Insert text] | [Insert text] |
| Supporting variables measured | | [Insert text] | [Insert text] | [Insert text] |
| Measurement technique/sensor type | | [Insert text] | [Insert text] | [Insert text] |
| Accuracy/uncertainty | | [Insert text] | [Insert text] | [Insert text] |
| Status of the observing network | | [Insert text] | [Insert text] | [Insert text] |
| Reporting mechanism | | [Insert text] | [Insert text] | [Insert text] |

# Future observing capacity

|  |  |  |  |
| --- | --- | --- | --- |
| Observing approach/platform | **[Insert text]** | **[Insert text]** | **[Insert text]** |
| What is the novel aspect of this observing approach? | [Insert text] | [Insert text] | [Insert text] |
| How does this novel aspect impact our observing capacity? | [Insert text] | [Insert text] | [Insert text] |
| Comments or references | [Insert text] | [Insert text] | [Insert text] |

# Data and information access

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Observing approach/ platform | Oversight & coordination | Data Quality Control | Data repositories | | Data products |
| **Near Real-Time Data stream delivery** | **Delayed-mode data delivery** |
| **[Insert text] Readiness level: X** | [Insert text] | [Insert text] | [Insert text] | [Insert text] | [Insert text] |
| **[Insert text] Readiness level: X** | [Insert text] | [Insert text] | [Insert text] | [Insert text] | [Insert text] |
| **[Insert text] Readiness level: X** | [Insert text] | [Insert text] | [Insert text] | [Insert text] | [Insert text] |

# References

|  |  |
| --- | --- |
| Guides and best practices | [Insert text] |
| Standards and reference materials | [Insert text] |
| Other background information | [Insert text] |
| Integrated EOV products and visualizations | [Insert text] |

# Contributors

|  |  |
| --- | --- |
| Leading authors | [Insert text] |
| Contributing authors | [Insert text] |

# Acronyms and Abbreviations

**ABCD:** Lorem Ipsum Dolor Sit

**EFG:** Lorem ipsum dolor sit amet consecteteur

**ABCD:** Lorem Ipsum Dolor Sit

**EFG:** Lorem ipsum dolor sit amet consecteteur

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# Glossary of terms

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| **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus.  **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus.  **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus.  **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus.  **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus.  **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus. |  | **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus.  **Lorem Ipsum:** Lorem ipsum dolor sit amet consecteteur  **Lorem Ipsum:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. In fringilla bibendum risus sit amet molestie. Quisque rhoncus blandit orci. Nullam viverra erat at euismod venenatis. Quisque porta sodales lectus. |

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| Essential Ocean Variable Specification Sheet Sponsored by:  A star in the sky  Description automatically generated with low confidence Logo, company name  Description automatically generated Logo  Description automatically generated with low confidence Shape  Description automatically generated with low confidence |

1. Footnote one [↑](#footnote-ref-1)
2. Footnote two [↑](#footnote-ref-2)