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- Best Practice: a best practice is defined as a methodology that has repeatedly produced superior results relative to other methodologies with the same objective; to be fully elevated to a best practice, a promising method will have been adopted and employed by multiple organizations
- Manual (incl. handbook; guide, cookbook): a document giving instructions or information
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Best Practice; Standard Operating Procedure;

<p>English-language document title **</p> <p>Entries should be in English.</p> <p>If applicable, include a sub-title after a colon (:) and version number after the title text (e.g. Version 3.2).</p>	<p>OceanGliders Oxygen SOP v1.0.0</p>
<p>Non-English document title</p> <p>If the title was not originally in English, please include it in its original form here. If applicable, include a sub-title after a colon (:) and version number after the title/subtitle text (e.g. Version 3.2).</p>	<p>N/A</p>
<p>Author Last, First Name(s) **</p> <p>Separate multiple entries with a semicolon (;)</p> <p>e.g.: Smith, Joseph; Jones, H.; (enter the name/s as it appears in the document)</p>	<p>López-García, P.; Hull, T.; Thomsen, S.; Hahn, J.; Queste, B.Y.; Krahnmann, G.; Williams, C.; Woo, M.; Pattiaratchi, C.; Coppola, L.; Morales, T.; Racape, V.; Gourcuff, C.; Allen, J.; Alou, E.; Zarokanellos, N.D.; Turpin, V.; Schmechtig, C.; Testor, P.; Busecke, J.; Bourma, E.; Richards, C.; Pearce, S.; Carvalho, F.; Giddy, I.; Christian Begler;</p>
<p>Author ORCID(s)</p> <p>eg. 0000-0002-4366-3088. Visit https://orcid.org/ to register</p> <p>Separate multiple entries with a semicolon (;)</p> <p>The order of these entries should correspond to that of the names above</p>	<p>0000-0002-4689-2775; 0000-0002-1714-9317; 0000-0002-0598-8340; 0000-0002-5638-2031; 0000-0002-3786-2275; 0000-0003-0944-8795; 0000-0001-7964-4826; Woo, M. No ORCID; Pattiaratchi, C. No ORCID; 0000-0003-0473-1129; 0000-0002-3585-8037; 0000-0003-0239-5125; 0000-0001-6071-8389; 0000-0001-7357-6623; 0000-0003-2247-3629; 0000-0002-6235-6198; 0000-0002-1662-4358; 0000-0002-1230-164X; 0000-0002-8038-9479; 0000-0001-8571-865X; 0000-0001-7196-9714; 0000-0002-7833-206X; 0000-0001-8373-7152; 0000-0001-9546-4614; 0000-0002-8926-3311; 0000-0002-1674-0404;</p>
<p>Editor Last, First Name(s) **</p> <p>Separate multiple entries with a semicolon (;)</p> <p>(enter the name/s as it appears in the document)</p> <p>eg: Buttigieg, Pier Luigi; Simpson, Pauline;</p>	<p>N/A</p>

<p>Editor ORCID(s)</p> <p>e.g.: 0000-0002-4366-3088</p> <p>The order of these entries should correspond to that of the names above. Separate multiple entries with a semicolon (;)</p>	<p>N/A</p>
<p>Corporate Author **</p> <p>Where there is no personal author or editor enter the organization, project or team name responsible for creating the best practice, eg. CleanSea Project</p>	<p>N/A</p>
<p>Contact person - Last, First names</p> <p>e.g. Smith, Joseph</p>	<p>Hull, T.; López-García, P.; Testor, P. Thomsen, S.;</p>
<p>Contact person - Email **</p>	<p>soeren.thomsen@locean.ipsl.fr; paloga@noc.ac.uk; tom.hull@cefas.co.uk;</p>
<p>Date of Issue (yyyy-mm-dd) **</p> <p>e.g. 2018-05-21</p>	<p>2022-05-31</p>
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<p>Pages or Extent</p> <p>e.g.: 57pp. Use straight through pagination of document</p> <p>e.g. 39pp. & Annexes Use pagination of the document body</p> <p>e.g. 12 mins (for video)</p>	<p>55pp.</p>

<p>Publisher Name(s) **</p> <p>e.g.: Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER)</p> <p>Please state the Institute's (Issuing Organization) name as it is specified in official communications. Separate multiple publisher entries with a semicolon (;)</p>	<p>OceanGliders</p>
<p>Place of Publication</p> <p>e.g.: Plouzane, France</p> <p>This should correspond to the publisher name(s) provided above.</p>	<p>OceanGliders</p>
<p>Series Name and/or Document Number(s)</p> <p>If applicable, list creator document identifiers, e.g.: SIP Protocol Series 6; e.g. JERICO-NEXT-W2-D2.1.-24112016-V2.0</p> <p>Separate multiple entries with a semicolon (;).</p>	<p>Ocean Gliders: Oxygen SOP v1.0.0</p>
<p>External identifiers</p> <p>e.g. DOI:xxxxxx ; ISBN: xxxxxx</p> <p>Separate multiple entries with a semicolon (;)</p>	<p>N/A</p>

<p>Resource URL: Enter the official URL for each relevant category in the table opposite</p> <p>Organization, project etc URL</p> <p>Code Repository</p> <p>If applicable, include URLs to any code repositories which are associated with this journal article, including digital notebooks (e.g. Jupyter or R Notebooks)</p> <p>Separate multiple entries with a semicolon (;).</p> <p>Dataset</p> <p>If applicable, include URLs/DOI to any datasets which are associated with this journal article</p> <p>Other</p>	<p>https://oceangliderscommunity.github.io/Oxygen_SOP/sections/authors_SOP_development_process.html</p>
<p>Abstract/Summary **</p> <p>Please provide a brief summary of your method/best practice including, as appropriate, a brief descriptions of what techniques your best practice is about, which ocean environments or regions it targets, the primary sensors covered, what type of data/measurements/observing platform it covers, limits to its applicability and note which the community of practice developed the best practice.</p>	<p>This standard operating procedure (SOP) document for dissolved oxygen (DO) aims to guide the user through the steps necessary to collect good quality dissolved oxygen data using ocean gliders for both real time and post deployment data streams.</p>
<p>Refereed Status **</p> <p>Has this document been peer reviewed/refereed? Please enter YES, NO or UNKNOWN</p>	<p>YES</p>

<p>Maturity Level</p> <p>If applicable, note one of the maturity levels of the methodology in the document</p> <ul style="list-style-type: none"> • N/A where maturity level not applicable • Mature: Methodologies are well demonstrated for a given objective, documented and peer reviewed; methods are commonly used by more than one organization (TRL 7-9) • Pilot or Demonstrated: Methodologies are being demonstrated and validated; limited consensus exists on widespread use or in any given situation (TRL 4-6) • Concept: A methodology is being developed at one institution(s) but has not been agreed to by the community; requirements and form for a methodology are understood (TRL 1-3) 	<p>Mature</p>
<p>Spatial Coverage</p> <p>If applicable, please specify the region where the best practice is applied. For regional term guidance use the following link: https://www.nodc.noaa.gov/worlddatacenter/regions.html. e.g. SW Pacific Ocean</p>	<p>Global</p>
<p>Sustainable Development Goals, Targets, and Indicators **</p> <p>If applicable, please specify if the best practice has application for a sustainable development goal. Target number is required and should be entered e.g 14.3</p> <p>Add Indicator if applicable eg. 14.3.1</p> <p>Refer to this page for more information: https://sustainabledevelopment.un.org/</p> <p>Separate multiple entries with a semicolon (;)</p>	<p>6; 12; 13; 14</p>

<p>Enter N/A if not applicable</p>	
<p>Essential Ocean Variables (EOV)**</p> <p>Copy and paste standard variable names from the list on this link.</p> <p>Separate multiple entries with a semicolon(;</p> <p>Enter N/A if not applicable</p>	<p>Oxygen</p>
<p>Essential Climate Variables (ECV)</p> <p>Copy and paste standard variable names from the list on this link (e.g for atmospheric variables not already under EOVs)</p> <p>Separate multiple entries with a semicolon(;</p> <p>Enter N/A if not applicable</p>	<p>Oxygen</p>

<p>Essential Biodiversity Variables (EBV)</p> <p>Copy and paste names from this link</p> <p>Separate multiple entries with a semicolon(;)</p> <p>Enter N/A if not applicable</p>	<p>N/A</p>
<p>Supporting Variables</p> <p>Please indicate here any supporting variables, this refers to variables observed or known from instrumentation or identified in the text and used to calculate the desired EO, ECV or EBV.</p> <p>Separate multiple entries with a semicolon(;)</p> <p>Enter N/A if not applicable</p>	<p>Temperature; conductivity (salinity)</p>
<p>Sensors</p> <p>If applicable, please indicate here the type of sensor/s and manufacturers that are mentioned in the best practice, e.g. Water sampler General Oceanics.</p> <p>Separate multiple entries with a semicolon (;).</p> <p>Enter N/A if not applicable</p>	<p>Oxygen Aanderaa Optode; RBRcoda T.ODO; AROD-FT sensor (RINKO JFE); SBE 43; SBE 43F</p>
<p>Environment(s) of relevance</p> <p>If applicable, please, indicate here the environment(s) of relevance for the best practice, e.g. Abyssal plain. Select from the (ENVO) terminology on this link.</p> <p>Separate multiple entries with a semicolon (;).</p> <p>Enter N/A if not applicable</p>	<p>Ocean; Sea; Lake</p>

<p>Other Keywords</p> <p>Add any other key words, e.g. Melt pond; Diatoms; Absorption coefficient</p> <p>Separate multiple entries with a semicolon (;).</p>	<p>N/A</p>
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Revision We recommend using semantic versioning (e.g. 4.2.1)	Date (yyyy-mm-dd)	Note on modifications A very brief description of the changes made. A more developed account should be given in a preface to the document	Lead Author Last name, first name(s)
1.0	2022-02-01	<p>Initial SOP was drafted by Patricia López-García, Tom Hull, Soeren Thomsen and Johannes Hahn.</p> <p>Two expert sessions during OceanGliders Best Practice Workshop, May 11 - 25 2021. Additional authors joined: Bastien Y. Queste, Gerd Krahnmann, Charlotte Williams, Mun Woo, Charitha Pattiaratchi, Laurent Coppola, Tania Morales, Virginie Racape, Claire Gourcuff, John Allen, Eva Alou, Nikolaos D. Zarokanellos</p> <p>First community and user feedback was provided during the OceanGliders Best Practice Workshop, May 11 - 25 2021 by attendees.</p> <p>SOP moved to this repository by: Patricia López-García, Tom Hull, Soeren Thomsen and Julius Busecke in September 2021.</p> <p>Additional authors joined on GitHub prior to the community review: Victor Turpin, Catherine Schmechtig, Pierre Testor, Julius Busecke.</p> <p>Additional authors joined on GitHub during the community review: Evi Bourma, Clark Richards, Stuart Pearce, Filipa Carvalho, Isabelle Giddy.</p>	López-García, P.; Hull, T.; Thomsen, S.; Hahn, J.