

**Breakout Workshop:**

Priority list of marine biodiversity metrics to observe from space

Co-Chairs:

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Description:

Essential Ocean Variables (EOVs) are a fundamental framework to develop time series and maps of interoperable physical, biological and ecological observations. From these, Essential Biodiversity Variables (EBV), which include specific indicators for different levels of the ecosystem, have been developed and are useful to inform policy and advance biodiversity and ecosystem research. There is an expectation that EOVs and EBVs can serve as indicators to measure progress toward sustainable development and biological diversity targets of international agreements (i.e. the Global Biodiversity Framework or GBF of the Convention on Biological Diversity, the Sustainable Development Goals, the UNFCCC). The UN Decade of Ocean Science for Sustainable Development (The Ocean Decade) is an opportunity to advance these observations. Marine Life 2030 is a Program of the Ocean Decade that helps highlight relevant indicator work. The aim of the workshop is to advance the use of remote sensing products to generate EOV and EBV products, and specifically to identify practical indicators to develop for national and international use.

Objectives:

- 1) Identify the remote sensing products relevant to generate EOV, EBV, and indicators
- 2) To discuss and produce a preliminary ranked list of remote sensing products and requirements
- 3) To highlight gaps and possible EOV/EBV that could be developed in the future