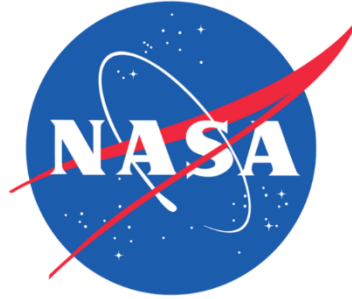




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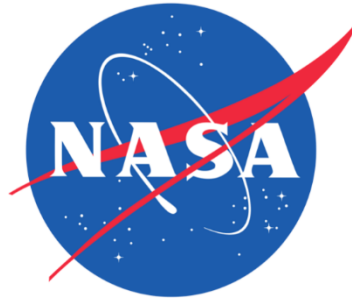
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Welcome to the COVERAGE Workshop

Dr David Freestone, Sargasso Sea Commission
and Dr Eric Lindstrom, NASA



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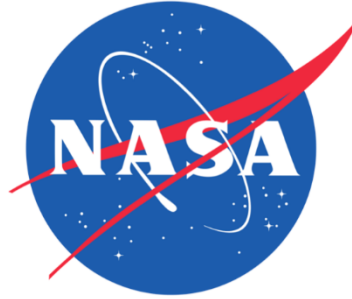
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CEOS Ocean Variables Enabling Research and Applications for GEO (COVERAGE)

COVERAGE aims to assemble and present satellite and *in situ* ocean data in a compelling web-based format for visual analysis



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Aims of the Workshop

- ▶ Expose the COVERAGE pilot project to peer review and comment.
- ▶ Examine utility of COVERAGE to illuminate the relationship between ocean conditions and uses of the Sargasso Sea.
- ▶ Identify the high-priority applications for COVERAGE to enable “use cases” for future implementation.

History and Prognosis for COVERAGE

- ▶ Initiated in a CEOS Strategic Implementation Team meeting in Pasadena in 2013.
- ▶ Fuse ocean data into a single product, available in near-real-time, include its own climatology, and allow for inclusion of emerging in situ data sets (e.g. ship tracking, animal tagging, etc.).
- ▶ Build a project to bring together 4 CEOS Ocean Constellations, enable broad international participation, enable broad use of ocean satellite data, and utilize emerging data management and cloud capabilities.
- ▶ Use the Sargasso Sea and NASA as a pilot project to ensure that the development is user-driven and effective. Spin-off is an application for Sargasso Sea Commission.
- ▶ Beyond the Sargasso Sea: Prepare to return to CEOS SIT with plans for CEOS (global) engagement, real-time implementation, and a priority-set of use cases. Spinoff is the a global product with near-real-time capabilities.