



A Proposed UN Ocean Decade Action

The Southern California Ocean Biomolecular Observing Network (So-Cal OBON)

Integrating and harmonizing molecular observations in support of sustainable marine management

Background

We submitted a proposal to establish a SoCal-OBON as part of the UN Decade of Ocean Science for Sustainable Development within the existing OBON global programme. We will work toward knowledge sharing and integration of information coming from 'Omics ocean observing platforms in Southern California, such as CalCOFI, CCE-LTER, SBC-MBON, SCCWRP-Bight surveys, and SCCOOS.





WHY DO WE NEED A SO-CAL OBON?

Biomolecular technologies offer significant potential to transform marine management, but the development and application of molecular tools in marine ecosystems has been siloed within disciplines, over space, and across sectors.

WHAT IS THE SO-CAL OBON?

A cooperative of Southern California observing programs working toward integration and harmonization of molecular observations in support of sustainable marine management.

PRIORITY RESEARCH AREAS

-  Water quality & ocean acidification/hypoxia impacts
-  Identification and forecasting of HABs
-  Identification of trophic drivers of fish assemblage dynamics
-  Map spatio-temporal distributions of protected species

WHO ARE WE?

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GOAL

Provide an unprecedented resolution of key ecological indicators across space, time, and trophic levels relevant to marine management

OBJECTIVES

- 1) identify gaps to interoperability of ocean observing platforms*
- 2) conduct molecular intercalibration efforts*
- 3) establish best practices for large scale biomolecular monitoring*

Please join us!

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