

Poster Session One

Wednesday, January 4, 3:15pm PST

This includes posters corresponding to the following sessions:

- Observing, Predicting, and Attributing Change
- OA experiments: the expansion of multi-stressor experiments & experimental best practices
- Communication and Community Relationships with OA

Acosta, Jennifer; Lamont Doherty, Columbia University:

Observations of phytoplankton community structure and biomass along north-south gradient of ocean acidification off the east coast of USA

Arroyo, Mar; UC Santa Cruz:

Subsurface Ocean Acidification in the North Pacific Ocean and California Current System

Bjorkstedt, Eric; NOAA SWFSC:

Critical swimming speed of juvenile rockfishes (Sebastes) following long-and short-term exposures to acidification and deoxygenation

Burger, Eugene; NOAA PMEL:

Easy data submission and data documentation for OAP Scientists in the changing NOAA data landscape: Tools and future additions

Czajka, Catherine; Virginia Institute of Marine Science, College of William & Mary:

Impacts of future climate change on Chesapeake Bay carbonate chemistry and oyster growth

Dias, Larissa; Harte Research Institute, Texas A&M University-Corpus Christi:

A biogeochemical alkalinity sink in a shallow, semiarid estuary of the northwestern Gulf of Mexico

Dong, Bo; School of Marine Science and Policy, University of Delaware

Internal consistency analysis of ECOA3

Errera, Raegan; NOAA GLERL:

Establishing an acidification monitoring and environmental stewardship program within the Great Lakes based National Marine Sanctuaries

Freider, Christina; Southern California Coastal Water Research Project:

Model-derived seasonal and temporal patterns in OAH habitat capacity in the southern California Current System

Frenzel, Alexandra; University of Connecticut:

Sediment water interactions on the NE shelf of North America, preliminary findings

Gomez, Fabian; NOAA AOML:

Seasonally distinctive influence of the Mississippi river runoff on interannual carbon chemistry patterns in the northern Gulf of Mexico

Herzka, Sharon; Center for Scientific Research and Higher Education of Ensenada (CICESE):

Carbon and nitrogen-based isoscapes for zooplankton collected throughout the Gulf of Mexico basin during GOMECC: tracers of geochemical processes and fish migration

Hu, Xinping; Harte Research Institute, Texas A&M University-Corpus Christi:

Carbonate chemistry variability in subsurface waters of the northwestern Gulf of Mexico

Jiang, Liqing; Cooperative Institute for Satellite Earth System Studies, Earth System Science Interdisciplinary Program, University of Maryland College Park:

Coastal Ocean Data Analysis Project (CODAP) - A proposed international coastal data synthesis effort

Jundt, Eva; Harte Research Institute, Texas A&M University:

Multiple linear regression models for the estimation of pH and aragonite saturation state in the Northwestern Gulf of Mexico

Kepler, Lydia; Scripps Institution of Oceanography; UCSD:

Recent trends and variability in the oceanic storage of dissolved inorganic carbon

Kramer, Benjamin; University of Duluth and NOAA GLERL:

Great Lakes acidification and harmful algal blooms

LaRoche, Carly; University of Virginia:

Seawater Carbonate System Variability in the Virginia Coast Reserve LTER

Li, Xinyu; School of Marine Science and Policy, University of Delaware:

US East Coast Acidification and Anthropogenic Pressures

Martinez, Miguel; Center for Scientific Research and Higher Education of Ensenada (CICESE):

Diversity patterns of fish larvae and eggs assemblages at basin-wide scale by molecular profiling in the Gulf of Mexico

Roberts, Elliot; School of Marine Science and Policy, University of Delaware

New underway surface oceanic O₂/Ar-based NCP estimations in the northern Gulf of Mexico: Results of GOMECC-4

Sisti, Abigail; Virginia Institute of Marine Science, College of William & Mary:

Laboratory-Classroom Collaboration: An OA Case Study

Stauffer, Beth; University of Louisiana at Lafayette:

Distributions of phytoplankton along pCO₂ and other environmental gradients in the Gulf of Mexico

Testa, Jeremy (presented by Ming Li); Chesapeake Biological Laboratory, University of Maryland Center for Environment Science:

A coupled biogeochemical-biological-economic modeling system to quantify climate change impacts on oyster aquaculture in Chesapeake Bay

Thompson, Luke; NOAA AOML and MSU/NGI:

Patterns of Microbial and Plankton Diversity from eDNA Collected on GOMECC-4

Uribe, Alicia; Instituto de Investigaciones Oceanológicas, Universidad Autónoma de Baja California:

Spatial variability of CO₂ partial pressure in the Gulf of Mexico: discrete sampling and underway measurement

Wrubel, Katie; NOAA Olympic Coast National Marine Sanctuary:

Olympic Coast Ocean Acidification Sentinel Site

Wu, Zelen; School of Marine Science and Policy, University of Delaware:

Spatial heterogeneity of the sea surface partial pressure of CO₂ trends in the South and Mid-Atlantic Bight

Ziervogel, Kai; University of New Hampshire:

Net community respiration in the euphotic zone along the US East Coast

Poster Session Two

Thursday, January 5, 3:15pm PST

This includes posters corresponding to the following sessions:

- Technology Development: What does the future of OA science technology look like?
- Regional Vulnerability Assessments
- Marine Carbon Dioxide Removal (mCDR)

Alin, Simone; NOAA PMEL:

Past, present and future upwelling season ocean acidification and hypoxia conditions on the Olympic Coast (Washington)

Bednarsek, Nina; Hatfield Marine Science Center/National Institute of Biology Slovenia:

Predictable patterns within the kelp forest can indirectly create temporary spatial refugia for ocean acidification

Berger, Halle; University of Connecticut

Assessing vulnerability of the U.S. Atlantic sea scallop to ocean acidification and warming: A dynamic energy budget modeling approach

Burger, Eugene; NOAA PMEL:

Easy data submission and data documentation for OAP Scientists in the changing NOAA data landscape: Tools and future additions

Chu, Sophie; University Washington Cooperative Institute for Climate, Ocean and Ecosystem Studies:
Field deployment of a new generation of carbon dioxide sensor in an underway application

Garwood, Jessica; Oregon State University/NOAA:

TBD

Jiang, Liqing; Cooperative Institute for Satellite Earth System Studies, Earth System Science Interdisciplinary Program, University of Maryland College Park:

Coastal Ocean Data Analysis Project (CODAP) - A proposed international coastal data synthesis effort

Katz, Brian; Oregon State University:

How well do biophysical models predict livelihood thresholds from ocean acidification? Insights from spatialized interviews with oyster-dependent people in Chesapeake Bay

Kekuewa, Sam; Scripps Institution of Oceanography, UCSD:

Seasonal nearshore ocean acidification and deoxygenation in the Southern California Bight

Send, Uwe; Scripps Institution of Oceanography, UCSD:

The OA and CO₂ observing network in the Coastal Southern California Current System

Stewart, Jim; Ocean Foresters:

In-Ocean Electrolysis co-benefits include Seafood Security, Ocean Health, Shore Protection, Carbon Dioxide Removal, and Acidification Reduction

Sun, Zhentao; School of Marine Science and Policy, University of Delaware:

On-board Measurements of Dissolved Inorganic Carbon (DIC) and Stable Isotope ($\delta^{13}\text{C}$ -DIC) by Cavity Ring-Down Spectroscopy During ECOA 3 Cruise

Takeshita, Yui; MBARI:

Initial evaluation of the Phyrosience pH optode sensor

Waddell, Jenny; NOAA Olympic Coast National Marine Sanctuary

Olympic Coast National Marine Sanctuary Oceanographic Monitoring and Research

Walworth, Nate; Vesta:

Coastal Enhanced Weathering as an ocean-based Carbon Dioxide Removal strategy