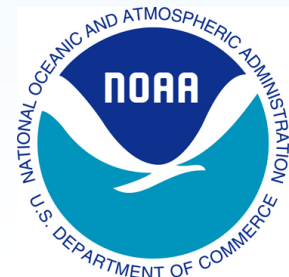
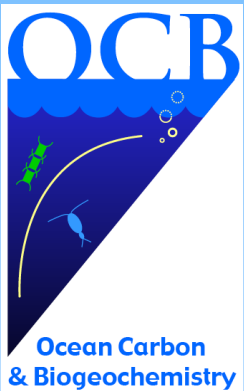


# OCB: Ocean Carbon and Biogeochemistry Program

## OCB Mission:

to establish the evolving role of the ocean in the global carbon cycle, in the face of environmental change, through studies of marine biogeochemical cycles and associated ecosystems





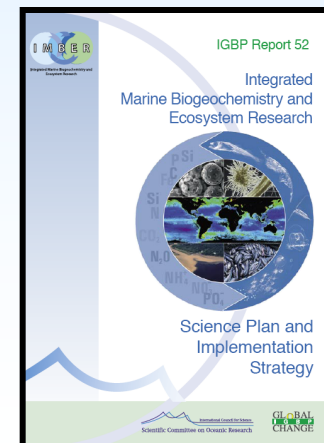
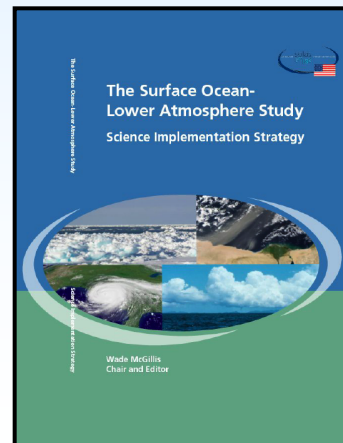
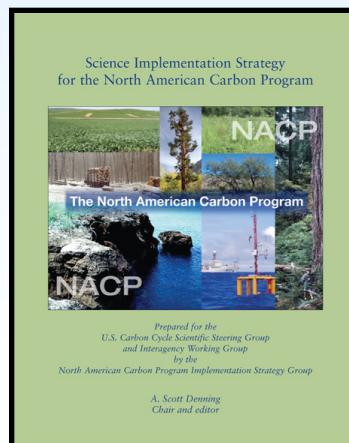
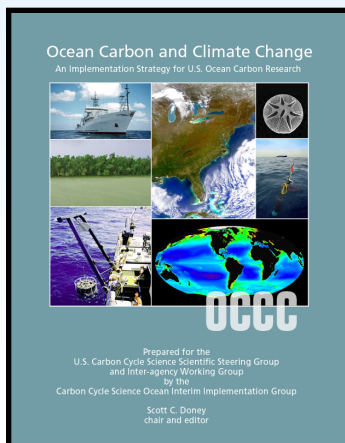
Promote, plan, and coordinate collaborative, multidisciplinary research opportunities within the U.S. research community and with international partners

**OCCE**  
Ocean Carbon  
& Climate Change

**NACP**  
North American  
Carbon Program

**SOLAS**  
Surface-Ocean  
Lower Atmosphere  
Study

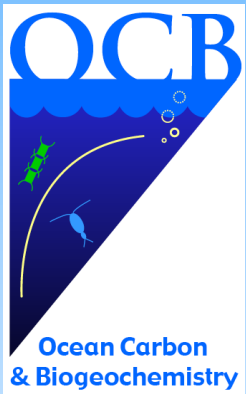
**IMBER**  
Integrated Marine  
Biogeochemistry  
and Ecology



# OCB Overarching Science Themes

Improve understanding and prediction of:

- 1) oceanic uptake and release of atmospheric CO<sub>2</sub> and other greenhouse gases;
- 2) climate-sensitivities of biogeochemical cycles and interactions with ecosystem structure



# OCB Program Structure

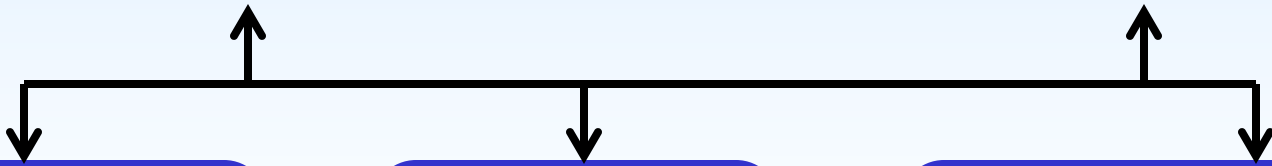
**Observing System**  
Repeat Hydrography/CO<sub>2</sub>  
HOT, BATS, CARIACO  
U.S. efforts in CarboOcean  
ORION, ...

**New & Future Projects**  
U.S. single-investigator to  
larger research  
projects funded by NASA,  
NOAA, and NSF

**OCB SSC**  
Scientific Steering  
Committee

**OCB Office**  
OCB Project  
Office

**Data Management**  
Biological and Chemical  
Ocean Data Management

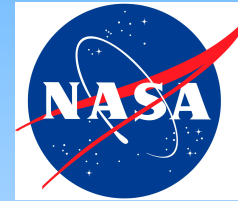
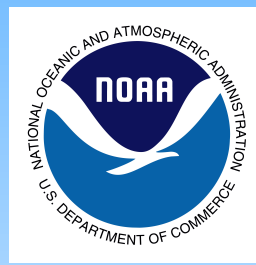
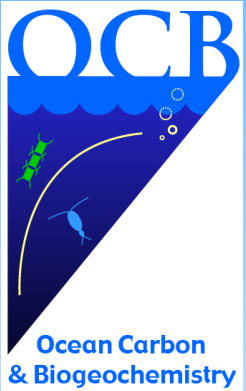


# OCB Implementation

- Annual Summer OCB Science Workshop (July 21-24, 2008, Woods Hole MA)  
Mix of plenary talks, breakouts & poster sessions
    - Climate sensitivity of ecosystem structure & trophic dynamics
    - Carbon uptake and storage
    - Temporal trends in ecosystem variability
    - Current and future OCB pursuits
- Discussion of future community science/field efforts (e.g., follow-up on NASA OCRT field experiment discussions)

# OCB Implementation

- Targeted scoping meetings on implementing critical science meetings
- Ocean Acidification (Oct., 2007)
  - report available for public comment soon
  - OCB build OA research plans from report
- Gulf of Mexico (May, 2008)
- Next round of workshops (Spring, 2009)
  - workshop proposals submitted June/July
  - Targeted workshop, ~50 people
  - \$50K in travel support
  - focus on implementation



Ocean Carbon and Biogeochemistry Scoping Workshop on  
*Terrestrial and Coastal Carbon Fluxes  
and Exchanges in the Gulf of Mexico*

**May 6-8, 2008**

**St. Petersburg, FL**

**Deadline to Apply: March 24, 2008**

**<http://www.who.edu/sites/GMxCarbon>**

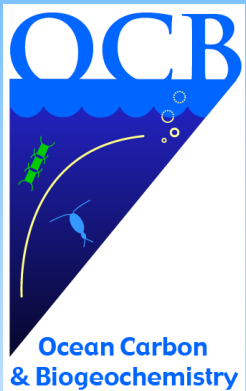
**Contact Organizers for More Information:**

**Paula G. Coble (pcoble@marine.usf.edu) & Lisa Robbins (lrobbins@usgs.gov)**

# OCB Implementation

- Core NSF funds (Feb. target date for OCB proposals) as well as NASA and NOAA announcements of opportunity
- OCB Time-series Advisor Committee
  - Debbie Bronk Chair
  - Working with HOT, BATS, Cariaco programs
  - Community input
- OCB Ocean Acidification Committee
  - Joan Kleypas and Dick Feely co-Chairs
  - Whitepaper building from Fall OA workshop
- New initiatives





# IMPORTANT CONTACTS

<http://us-ocb.org/>

**NSF**

**NASA**

**NOAA**

**CCSP Program Office**

**Don Rice, Dave Garrison, Phil Taylor**

**Paula Bontempi**

**Mete Uz**

**Roger Hanson**

**Scott Doney (WHOI)**

**Ginger Armbrust (UW)**

**Debbie Bronk (VIMS)**

**Richard Feely (NOAA)**

**Joanie Kleypas (NCAR)**

**Wade McGillis (LDEO)**

**Galen McKinley (U Wisc)**

**Tammi Richardson (U-SC)**

**Bob Anderson (LDEO)**

**Kathy Barbeau (SIO)**

**Mary-Elena Carr (JPL)**

**Dave Karl (U. Hawaii)**

**Steve Lohrenz (U. S Miss.)**

**Burke Hales (OSU)**

**Mark Ohman (SIO)**

**Chris Sabine (NOAA)**