

Ocean Carbon and Biogeochemistry (OCB)

Science Focus: Bring together research in geochemistry, ocean physics, and ecology that inform on and advance our understanding of ocean biogeochemistry.

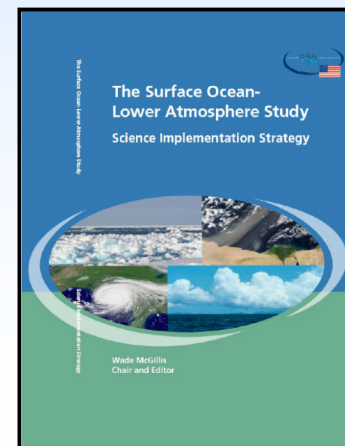
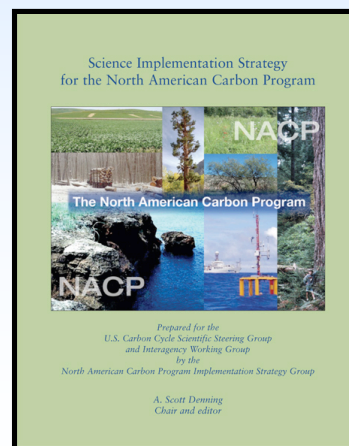
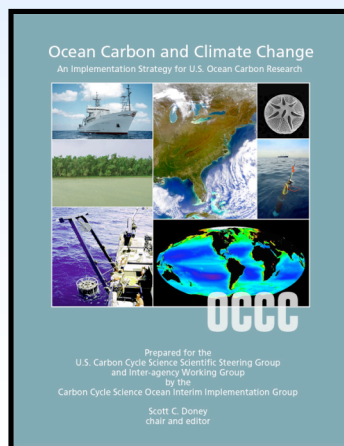
OCB will help coordinate and facilitate U.S. contributions to:

OCCC
Ocean Carbon
& Climate Change

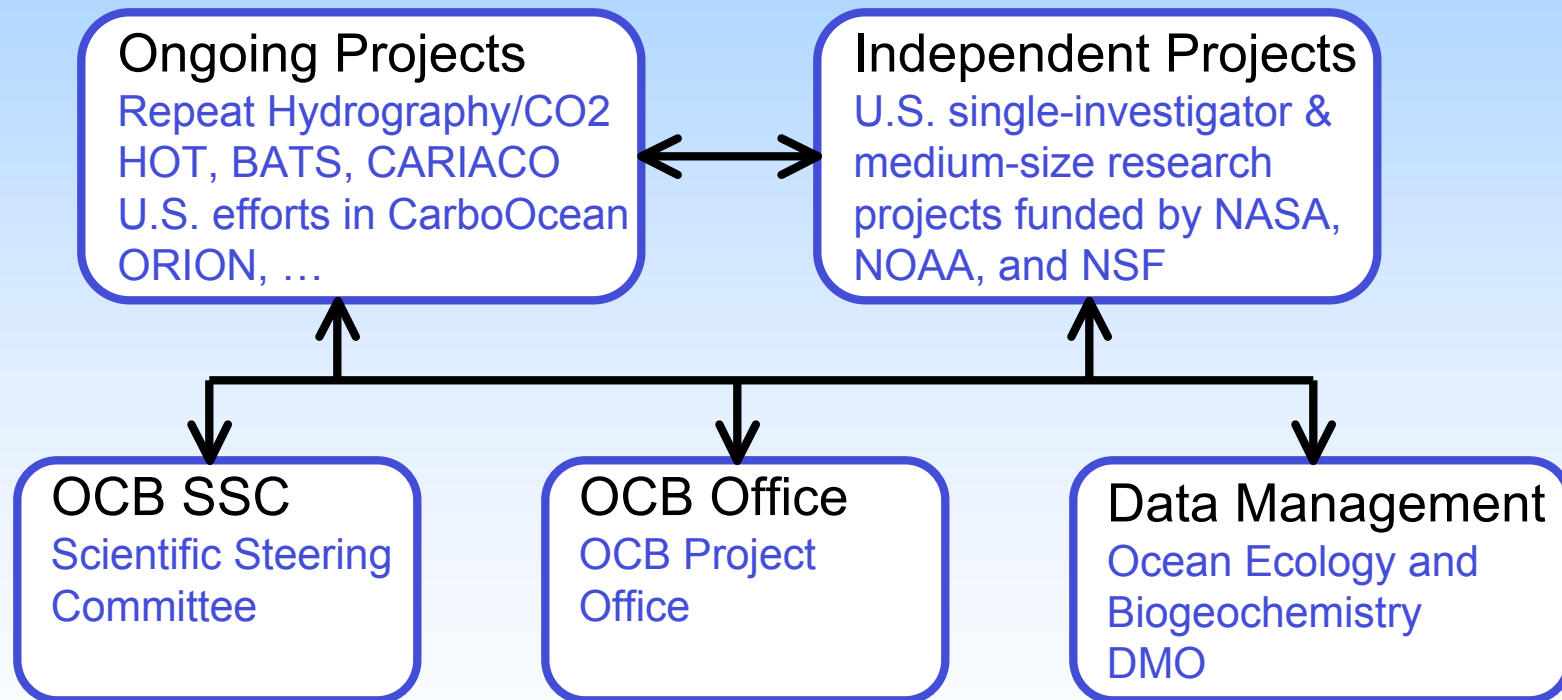
NACP
North American
Carbon Program

SOLAS
Surface-Ocean
Lower Atmosphere
Study

IMBER
Integrated Marine
Biogeochemistry
and Ecology



OCB Mission: "to promote, plan, and coordinate collaborative, multidisciplinary research opportunities within the U.S. research community and with international partners."



OCB and the Coastal Ocean

OCCC and NACP:

What is coastal role in large-scale ocean carbon cycle?

- Coastal region as net source/sink and off-shore transport;
- Transformations of terrestrial fluxes;
- Design of sampling/modeling scheme for coastal C budget;
- Balance of denitrification/nitrogen fixation

Planning coordinated coastal ocean research effort:

- Field and Laboratory Process Studies
- Observational Networks & Remote Sensing
- Synthesis and Modeling

Joint OCCC/NACP Coastal Ocean Carbon Workshop:

- Workshop held Sept. 2005 in Boulder CO
- Define current understanding, outstanding questions, and future opportunities
- Report due shortly [steering group lead by B. Hales, OSU]