



2018 Ocean Carbon and Biogeochemistry (OCB) Workshop

June 25-28, 2018

Woods Hole Oceanographic Institution

OCB Project Office (WHOI)

Executive Officer: Heather Benway

Administrative Associate: Mary Zawoysky

Communications Officer: Mai Maheigan

OCB Scientific Steering Committee

Chair: Bethany Jenkins (URI)

Vice Chair: Marjorie Friedrichs (VIMS)



Thank you to our host and sponsors!

WHAT IS OCB?



OCB is a **network of scientists** working across disciplines to understand the ocean's role in the global carbon cycle and how marine ecosystems and biogeochemical cycles are responding to environmental change.



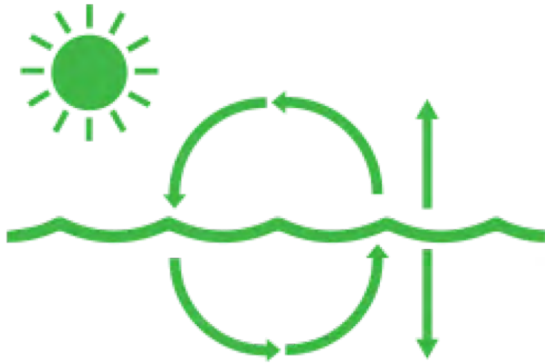
How does OCB work?

From the bottom up, **community- and science-driven**

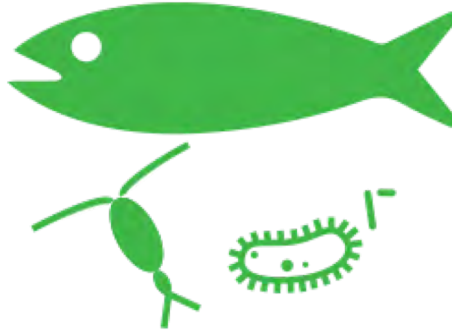
OCB SUPPORT ROLES

- ✧ **Coordination** of science workshops and activities
- ✧ U.S. and international **science planning**
- ✧ **Communication and networking** (website, email newsletters, social media)
- ✧ Development and dissemination of **education and outreach** materials
- ✧ **Early career training and engagement**

OCB SCIENCE



Biological pump



Changing marine ecosystems



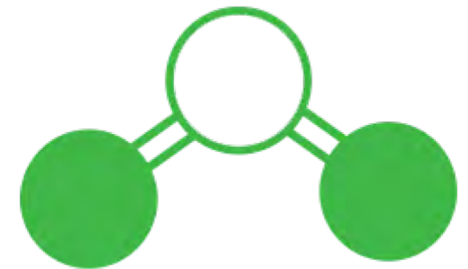
Ocean observing
(ships, autonomous, space)



Estuarine and coastal carbon fluxes



Ocean carbon uptake



Changing ocean chemistry

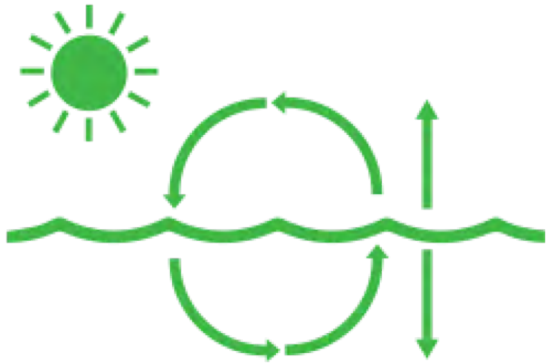
Does OCB fund research?

No. OCB inspires research.

What does OCB fund and how?

- Workshops, working groups, any activity that **brings groups/disciplines together to advance the science**
- Quasi-annual **OCB activity proposal solicitations**

NEW OCB ACTIVITIES



Biological pump

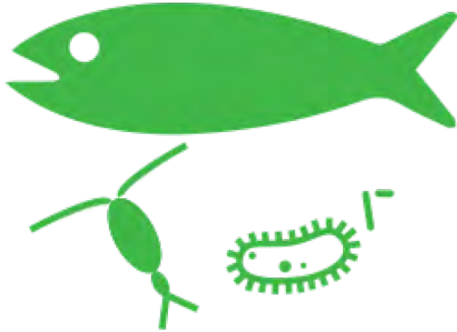
- OCB Working Group **Towards a better understanding of fish contribution to carbon flux** – March 2019 at Rutgers (Lead: Grace Saba, Rutgers)
- OCB scientist participation in new **NASA EXPORTS** and **NSF-funded biological pump projects**



Estuarine and coastal carbon fluxes

Lateral carbon flux in tidal wetlands: Filling a key knowledge gap through a methods intercomparison and data synthesis – August 21-23, 2018 in Woods Hole, MA (Leads: Kevin Kroeger and Meagan Gonnee, USGS)

NEW OCB ACTIVITIES



**Changing marine
ecosystems**

**Intercomparison and Intercalibration of
Ocean Metaproteomic Analyses** (Leads:
Mak Saito and Matt McIlvin, WHOI)



Ocean carbon uptake

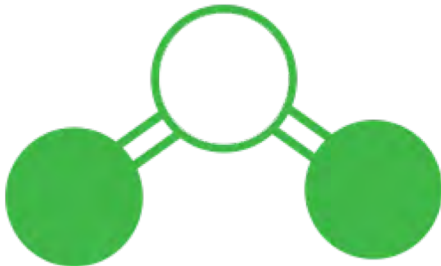
**Synthesis and intercomparison of ocean
carbon uptake in CMIP6 models –**
December 8-9, 2018 in Washington, DC
(Leads: John Dunne, NOAA GFDL; Matt
Long, NCAR; Natassa Romanou, NASA GISS)

NEW OCB ACTIVITIES



Ocean observing
(ships, autonomous, space)

Biogeochemical Float Workshop – July 9-13,
2018 in Seattle, WA (Lead: Steve Riser, UW)



**Changing ocean
chemistry**

**Oceanic Methane and Nitrous Oxide: The
present situation and future scenarios** –
October 28-31, 2018 in Lake Arrowhead, CA
(Lead: Sam Wilson, UH)

OCB Scientific Steering Committee

Andrew Barton
(Scripps)



Victoria Coles
(UMCES)



Jessica Cross
(NOAA/PMEL)



Scott Doney
(Univ. Virginia)



Andrea Fassbender
(MBARI)



Marjy Friedrichs
(VIMS)



Bethany Jenkins
(URI)



Lauren Juranek
(OSU)



Matt Long
(NCAR)



Amy Maas
(BIOS)



Dennis McGillicuddy
(WHOI)



Uta Passow
(UCSB)



Anton Post
(Florida Atlantic Univ.)



Claire Reimers
(OSU)



Alyson Santoro
(UCSB)



Ben Twining
(Bigelow)



OCB Topical Subcommittees

- **Ocean Time-Series Committee:** Co-Chairs Angel White (OSU), Naomi Levine (USC)
- **Biogeochemical-Argo Subcommittee:** Co-Chairs Ken Johnson (MBARI), Emmanuel Boss (Univ. Maine)
- **Subcommittee on Ocean-Atmosphere Interactions:** Newly established, Chair: Rachel Stanley (Wellesley)
- **Previous Subcommittees:** Ocean acidification, ocean fertilization (these are no longer active)

How can I get in on this?



@US_OCB

Use #OCB2018 this week!

**Participate in and propose
an OCB activity**

Subscribe to OCB eNewsletter

GET INVOLVED!

**Propose/lead a summer workshop
session**

OCB leadership committees

**Share new publications (high-
visibility science highlights on
website/eNews)**

us-ocb.org



Ocean Carbon & Biogeochemistry

Studying marine ecosystems and biogeochemical cycles in the face of environmental change

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2018 Summer Workshop

Visit the workshop website details about plenary sessions and logistics. The 2018 OCB Summer Workshop will be held June 25-28, 2018 in Woods Hole, MA. We will be live-streaming the plenary sessions starting at 9:00 AM Monday June 25, see the agenda for session and scheduled talk times. Connect with us using #OCB2018 on twitter [...]

[READ MORE](#)

SCIENTIFIC BREADTH



Changing Ocean Chemistry



Ocean Carbon Uptake and Storage



Estuarine and Coastal Carbon Fluxes



Changing Marine Ecosystems



Biological Pump



Ocean Observatories

us-ocb.org



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Enjoy the workshop!