**Working Group Report: Oceanographic forcing of marine pelagic ecosystem dynamics and biogeochemistry.**

**Participants from CCE**

(all from SIO, unless noted)

Mark Ohman

Mike Landry

Lihini Aluwihare

Kathy Barbeau

Ralf Goericke

Mike Stukel (Florida State; also PAL)

Jeff Ellen

Charina Cain

Carmina Ramirez (Calexico School District)

Catherine Nickels

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**Participants from PAL**

Hugh Ducklow (LDEO)

Doug Martinson (LDEO)

Ari Friedlaender (OSU)

David Johnston (Duke)

Doug Nowacek (Duke)

Debbie Steinberg (VIMS)

Scott Doney (WHOI)

Janice McDonnell (Rutgers)

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Oscar Schofield (Rutgers)

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Nicole Couto (Rutgers)

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Cristina Schultz (WHOI)

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**Other**

Lisa Clough, NSF

Jerry Wiggert, U. of So. Mississippi

Frank Hernandez, U. of So. Mississippi

This working group was co-organized by PAL and CCE-LTER. Recognizing that both sites are principally pelagic coastal and open ocean ecosystems, studied using oceanographic vessels and various autonomous observing systems common to both groups (eg, gliders), we wanted to have an opportunity to get acquainted with each other better, and begin to explore common and complimentary scientific themes and approaches. Originally we intended to have two sessions, the first devoted to a series of short presentations, and the second for open-ended discussion. Unfortunately, the second session was not on the final schedule. However we did discuss the possibility of holding our next annual science meetings together at Scripps to pursue the original objective of exploring and pursuing common science themes at our two sites.

**PAL presentations included:**

Darren McKee: role of submarine canyons in water transport across the western Antarctic Peninsula Shelf

Maria Kavanaugh: Role of submarine canyons in regulating phytoplankton dynamics.

Debbie Steinberg: Long term variability of macrozooplankrton biomass along the WAP shelf.

Ari Friedlaender: Cetacean ecology in the WAP region.

**CCE presentations included:**

Lihini Aluwihare : Making sense of dissolved and suspended particulate organic carbon distributions in the CCE-LTER

Kathy Barbeau: Fe limitation in the CCE region

Ralf Goericke: Time series of phytoplankton community structure – Metrics of state and change

Mike Landry: Phytoplankton community size structure

Mark Ohman: CCE mesozooplankon studies

Mike Stukel: Plankton-mediated vertical f