



“All Hands” Synthesis & Planning Workshop

AGENDA

February 27 & 28, 2013

Location: FSU Alumni Center, Florida State University | 1030 W Tennessee Street, Tallahassee, FL

Wednesday, February 27	
8:00-8:30 am	<i>Check-in and Poster Set-up</i>
8:30-8:45 am	Welcome Remarks, Introductions and Overview
SESSION 1 – Biogeochemical Processes <i>(Session Moderator: Jeff Chanton)</i>	
8:45-9:15 am	Introduction and integrated overview presentation summarizing achievements and major findings
9:15-9:55 am	Speed presentations (3 minutes each)
9:55-10:55 am	Poster Session – Biogeochemical Processes
10:55-11:55 am	Open discussion of synthesis and planning
11:55-12:15 pm	Data Management Overview <i>(Shawn Smith, Deep-C Data Center)</i>
12:15 -1:15 pm	<i>Lunch</i>
SESSION 2 - Geomorphologic & Physical Oceanographic Processes <i>(Session Moderators: Ian MacDonald and Kevin Speer)</i>	
1:15-1:45 pm	Introduction and integrated overview presentation summarizing achievements and major findings
1:45-2:15 pm	Speed presentations (3 minutes each)
2:15-3:15 pm	Poster Session – Geomorphologic & Physical Oceanographic Processes
3:15-4:15 pm	Open discussion of synthesis and planning
4:15-5:15 pm	<i>Travel to Marine Lab (via charter bus)</i>
5:15-8:00 pm	<i>Tour of new R/V APALACHEE and Reception</i> <i>(food, beverages and live music)</i>
8:00-9:00 pm	<i>Return to Alumni Center</i>
Thursday, February 28	
SESSION 3 - Ecological Processes, Ecosystem Food Web Model <i>(Session Moderators: Felicia Coleman and Joel Kostka)</i>	
8:30-9:00 am	Session introduction and integrated overview presentation(s) summarizing achievements, major findings
9:00-9:45 am	Presentations – (3 minutes each)
9:45-10:45 am	Poster Session – Ecological Processes, Ecosystem Food Web Model
10:45-11:45 am	Open discussion of synthesis and planning
11:45 am - 12:45 pm	<i>Lunch</i>
SESSION 4 – Earth System Modeling <i>(Session Moderator: Eric Chassignet)</i>	
12:45-1:15 pm	Introduction and integrated overview presentation summarizing achievements and major findings
1:15-1:45 pm	Speed presentations (3 minutes each)
1:45-2:45 pm	Poster Session - Earth System Modeling
2:45-3:45 pm	Open discussion of synthesis and planning
3:45-4:15 pm	Wrap-up Discussion
4:15 pm	General Meeting Adjourns
4:15-5:00 pm	Executive Session (Steering Committee meets with the Advisory Board)

“All Hands” Data Sessions

Thursday, February 28, 2013

During the All-Hands meeting, staff members from the Deep-C data center will be conducting a series of parallel working group sessions. These sessions will provide an opportunity for the collectors and producers of Deep-C data sets to establish protocols for the stewardship of their data. The expertise of those persons working closely with the data (from lead scientists to graduate students) will benefit the data center personnel.

In addition, data center personnel will be demonstrating our web portal and graphical user interface during the poster sessions. We welcome everyone to stop by our table and provide feedback on these tools. Suggestions for future tools or functionality that would benefit your science are especially welcome.

Finally, the Deep-C data center staff will be available during the poster sessions and on Thursday in the Cottrell room to accept electronic data files from Deep-C researchers. Please bring any data files that you wish to deposit with the data center to the All-Hands meeting. (NOTE: we will be able to read from USB sticks and/or portable USB hard drives, if you wish to give us data on CD or DVD we will need to keep the disk as we may not have readers at the meeting).

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8:30 – 9:45 am: Data Center staff available to accept data files.

9:45 – 10:45 am: Modeling Discussion (1 hr)

This session invites members of the Deep-C modeling team to discuss progress towards developing models and model products. This will be a follow-up to the initial discussions between data center personnel and modelers that was held in 7 August 2012. The goal is for the modeling team to provide additional specifications regarding models and products that will need to be managed by the data center staff. We will also review plans to ensure that all model output/products are provided in netCDF convention (as decided at our earlier meeting).

10:45 – 11:45: Data Center staff available to accept data files.

12:45 – 1:45 pm: CTD Data Discussion (1 hr)

This session invites Deep-C researchers conducting CTD observation to discuss what files and file types should be included in a standard Deep-C CTD data set. We will discuss what original (raw) files should be captured and archived for each CTD event. Further discussion will explore processed CTD files (and file format) that are being produced for Deep-C. The goal is to establish a standard file set for all Deep-C CTD work that will facilitate collaboration with modelers and other Deep-C teams.

2:00-3:00 pm: Laboratory Analysis Discussion (1 hr)

This session invites Deep-C researchers that are conducting sample analysis in the laboratory. The Deep-C data team is seeking input from experts conducting chemical, biologic, genomic, geologic and other types of laboratory analyses from Deep-C samples. These analyses produce valuable research data sets that must be curated by the data center; however, methods used to capture and preserve these data vary widely within different disciplines. The goal is to determine the commonalities between different analysis files and to provide scientific input to the design our data stewardship protocols for these unique data sets. We will also address a mechanism to catalog samples collected by Deep-C researchers.

3:00 – 4:30 pm: Data Center staff available to accept data files.



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SPEED PRESENTATIONS & POSTER SESSIONS

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SESSION 1 – Biogeochemical Processes (Wednesday Morning, February 27)		
Chanton, Jeff *	Radiocarbon tracing of petrocarbon in the Gulf	jchanton@fsu.edu
Harper, Alexandra	Stable isotope tracing of methyl mercury production and bioaccumulation in the northern Gulf of Mexico food web	arh03c@fsu.edu
Hastings, David **	Changes in the redox state of marine sediments following the 2010 BP blowout	hastindw@eckerd.edu
Hollander, David ****	Assessing oceanographic response to the Deepwater Horizon blowout through high resolution analysis of marine sediments	davidh@usf.edu
Huettel, Markus	Pore water oxygen dynamics influenced by tarballs buried in permeable saturated sands	mhuettel@fsu.edu
Jarvis, Jacqueline	Characterization of the water-soluble & interfacially active species from the Deepwater Horizon crude by electrospray ionization FT-ICR mass spectrometry	jarvis@magnet.fsu.edu
Perrot, Vincent	Mercury cycling in the northeastern Gulf of Mexico: insights arising from food webs and atmosphere Hg isotopic compositions	perrot@magnet.fsu.edu
Podarski, David	Oil spill source identification by principal component analysis and FT-ICR MS	podgorski@magnet.fsu.edu
Reddy, Chris **, *****	Hurricanes and oil films: working with BP and NOAA for better science	creddy@whoi.edu
Ruddy, Brian	Petroleum heavy end transport in beach sand	ruddy@magnet.fsu.edu
Wells, Wm. Brian	Oil degradation rates in response to organic nitrogen input via phytodetritus in sandy permeable sands	wbw08@my.fsu.edu
SESSION 2 - Geomorphologic & Physical Oceanographic Processes (Wednesday Afternoon, February 27)		
Choplain, Nicolas	Laboratory investigation of the De Soto canyon and its influence in the deep-ocean exchange with the shelf	nchoplain@fsu.edu
Clarke, Allan	Shelf and shelf edge flow near the De Soto Canyon	aclarke@ocean.fsu.edu
Daneshgar Asl, Samira	Chronic, anthropogenic hydrocarbon releases in the Gulf of Mexico	sd11h@my.fsu.edu
Johansen, Caroline	Dynamics of hydrocarbon vents: focus on primary porosity	cj11h@my.fsu.edu
Locker, Stan	Shelf/slope geomorphology, sedimentary processes and habitat - results from year 1 and plans for year 2	stan@mail.usf.edu
MacDonald, Ian	Deep-C project: preliminary results of photographic survey of De Soto Canyon	imacdonald@fsu.edu
Shay, Lynn K. (Nick) ***	Ocean response to hurricanes Ivan and Isaac over the De Soto Canyon region	nshay@rsmas.miami.edu
Silva, Mauricio	Erosion channels at the De Soto Canyon	mgs11c@my.fsu.edu
Simons, Elizabeth	Cross shelf mixing in the northeastern Gulf of Mexico	egs07d@my.fsu.edu
Wienders, Nico	Float, mooring and SailBuoy deployments in the De Soto Canyon	wienders@fsu.edu
SESSION 3 - Ecological Processes, Ecosystem Food Web Model (Thursday Morning, February 28)		
Snyder, Richard	Spatial and temporal dynamics of microbial community structure on the NW Florida Panhandle Bight Shelf	rsnyder@uwf.edu
Riesenfeld, Christian	Northeastern Gulf of Mexico microbiological DNA biodiversity observations	criesenfeld@uwf.edu
Tominack, Sarah	Spatial and temporal variations in the community structure of marine archaea: the Gulf of Mexico	sat26@students.uwf.edu
Nienow, Jim	Phytoplankton associations in the vicinity of De Soto Canyon, northeastern Gulf of Mexico	jnienow@valdosta.edu
Myers, Nicholas (Nick)	After-the-fact estimations of the calcareous nannoplankton composition and quantity present during the 2010 Macondo oil spill in the Gulf of Mexico	nmyers2@fsu.edu
Houghton, Katelyn	Changes in bacterioplankton community structure after exposure to oil and dispersants in the northeastern Gulf of Mexico	kah55@students.uwf.edu
Overholt, Will	Ecological impacts of the Deepwater Horizon discharge on sedimentary microbial communities of De Soto Canyon, Gulf of Mexico	waoverholt@gatech.edu

Marks, Kala	Metagenomic insights supporting microbial community succession in contaminated Gulf beach sands	kala.marks@gatech.edu
Mason, Olivia	Methane production in the oceanic photic zone: microbial community structure and function	omason@fsu.edu
Baco-Taylor, Amy	A preliminary assessment of De Soto Canyon sediment macrofauna	abacotaylor@fsu.edu
Grubbs, Dean	Collaborative Deep-C research on large demersal fishes and crustaceans from the shelf edge to the lower continental slope in the eastern Gulf of Mexico	dgrubbs@bio.fsu.edu
Cotton, Chip	Characterizing and monitoring changes in life history parameters of deep-water dogfishes (order: Squaliformes) in the northeastern Gulf of Mexico	cottonc@savannahstate.edu
Imhoff, Jo	Depth-mediated differences in trophic ecology and mercury contamination of six species of sharks in De Soto Canyon	imhoff@bio.fsu.edu
SESSION 4 – Earth System Modeling (Thursday Afternoon, February 28)		
Clark, Matthew	Quantitative investigation of Stokes drift as a transport mechanism for oil - plan and progress	mclark@coaps.fsu.edu
DeRada, Sergio *	NRL ocean modeling for the Gulf of Mexico: towards earth system capability	sergio.derada@nrlssc.navy.mil
Dukhovskoy, Dmitry	Loop current statistics from a multi-decadal HYCOM simulation	ddukhovskoy@fsu.edu
Hiester, Hannah	The Gulf of Mexico Coupled Regional Modeling System	hhiester@coaps.fsu.edu
Hole, Lars **	A web service for oil spill modeling in the Gulf of Mexico	lrh@met.no
Kourafalou, Villy	Impacts of river plume dynamics on cross-marginal transport in the Northern Gulf of Mexico	vkourafalou@rsmas.miami.edu
Morey, Steve	Deep currents near steep bathymetry from a numerical simulation of De Soto Canyon	morey@coaps.fsu.edu
Srinivasan, Ashwanth	Development of an operational oil spill model with polynomial chaos based uncertainty quantification capabilities	a.srinivasan@tendral.com
Weisberg, Robert **	Coastal ocean modeling as part of Deep-C	weisberg@usf.edu
Zheng, Yangxing	Influence of sea surface temperature gradient and roughness changes on the motion of surface oil in a simple idealized study	yzheng@fsu.edu

* Poster only; no speed presentation.

** Speed presentation only; no poster.

*** Speed presentation by Benjamin Jaimes.

**** Double-wide poster.

***** Speed presentation by Jeff Chanton.