



## **DEEPEND Synthesis Workshop I**

**Guy Harvey Oceanographic Center Auditorium, 3<sup>rd</sup> Floor**  
(Evie Boardroom [5<sup>th</sup> Floor] and 3<sup>rd</sup> floor conference rooms available as needed)

**Monday, May 14, 2018**

8:30-9:00      **Coffee available outside the auditorium**

9:00-9:30      **Welcoming remarks (Dodge, Sutton)**

### **External participant introductions, potential roles in synthesis**

Stacy Calhoun (*ULL; Deep-pelagic zooplankton*)  
Kait Frasier (*SIO; Marine mammal collaboration*)  
Dean Grubbs (*FSU; Deep-demersal predator collaboration*)  
Dan Hahn (*NOAA Office of Response and Restoration*)  
Bill Hogarth (*GoMRI Research Board Member*)  
John Quinlan (*NOAA NMFS SEFSC – NRDA water column assessment*)  
Steve Murawski (*USF; C-IMAGE I-III PI; epipelagic top predator collaboration*)  
Kelly Robinson (*ULL; RFP VI co-PI – Deep-pelagic zooplankton*)  
Jim Ruzicka (*OSU, RFP VI co-PI – ecosystem modeling*)  
Verena Wang (*USM: – Deep-pelagic zooplankton, larval fish time-series*)  
Eric Weissberger (*NOAA NMFS Monitoring and Adaptive Management*)  
Chuck Wilson (*GoMRI Chief Science Officer*)

### **DEEPEND Kudos (Sutton)**

9:30-10:30      **Initial discussion: consortium goals, major themes, synthesis strategy**

- GoMRI high-level synthesis aims and strategy (**Wilson, Hogarth**)
- DEEPEND Consortium goals from the lens of synthesis (**Sutton**)
- Ongoing fieldwork and lab analyses (**Sutton, forum**)
- Integrating these results with lower and upper trophic levels (**Sutton, More To Com [MTC]**)
- Organize and solidify data management and publication plans for the next 1.6 years (**Sutton, MTC**)
- How can people use what we have learned (**Sutton, forum**)?

10:30-10:45      **Coffee Break**



- 10:45-12:15 **Science synopses: Patterns and processes**
- Pelagic habitat: making sense of things in a 4-D blender (**Johnston, Milligan/Easson/Hu/English, DeRada**)
  - Loop Current: the ring that rules them all (**Easson/Lopez, Frank, Milligan, Boswell**)
  - Vertical distribution and migration patterns (**Sutton, Easson/Lopez, Boswell/D'Elia, Judkins/Vecchione, Frank/lab, Sutton/Cook, Milligan**)

12:15-1:30 **Catered lunch – Oceanographic Center Cafe**

- 1:30-3:00 **Science synopses: Temporal trends in abundance**
- Whole assemblages: acoustic backscatter (**Boswell/D'Elia**)
  - Deep-pelagic fishes (**Sutton/Milligan/Cook/Moore**)
  - Deep-pelagic Crustacea (**Frank/Lab**)
  - Deep-pelagic Mollusca (**Judkins/Vecchione**)
  - The PAH story (**Romero/Sutton/Frank/Judkins**)
  - Larval/epipelagic fishes (**Meinert/Rooker/Wells**)

3:00-3:15 **Coffee Break**

- 3:15-4:45 **Science Synopsis: Linking the trophic levels**
- Plankton time series (**Robinson, Calhoun, Ruzicka**)
  - Larval fish time series (**Wang**)
  - Marine mammal connections (**Frasier/Hildebrand**)
  - Demersal predator connections (**Grubbs**)
  - DEEPEND trophic studies, past and present (**Sutton, Richards/Wells**)

4:45-5:00 **General Discussion and Synopsis of Day 1. Plan for Day 2**

Evening: Informal group dinner; location TBD

**Tuesday, May 15, 2018**

8:30-9:00 Coffee available outside the auditorium

9:00-9:30 **Musings from the forum, re Day 1, after sleeping on it**

- 9:30-10:30 **Science synopses: quantitative faunal inventories and their importance**
- The Body Count: brief summary of taxa examined and their stats (**Sutton/Cook/Frank/Vecchione/Judkins/Youngbluth**)
  - The Gulf as a high diversity Large Marine Ecosystem (**Sutton**)
  - Reconciling oceanic taxonomy: meat vs. molecules (**Bernard/Shivji/Eytan/Bracken-Grissom/Team Alpha**)



10:30-10:45 **Coffee Break**

10:45-12:15 **How can people use what we have learned?**

- Trends in oil and gas exploration in the Gulf (**Murawski**)
- Creating 'reference states' for the next spill (**Sutton, Hahn, Quinlan, forum**)
- Faunal inventories, functional diversity (**Sutton, forum**)
- Connectivity of the Gulf and Atlantic (**Bracken-Grissom/Timm, Eytan/Weber**)
- Integration with the larger GoMRI synthesis effort (**Forum, Hogarth**)

12:15-1:30 **Catered lunch**

1:30-3:00 **The Way Forward: 2018-19**

- Genetic diversity (**Bracken-Grissom, Eytan/Shivji/Bernard/Finnegan**)
- DP06 (**Sutton, Murawski, forum**)
- Future modeling efforts (**Sutton/Milligan/Cook/Grüss, forum**)
- Data management (**Johnston**)
- Publication (**Forum**)
- Other synthesis activities (**Forum**)

3:00-3:15 **Coffee break**

3:15-5:00 **Open mic**

- Collaborations: DEEP SEARCH, DEEP SCOPE, WHOI Twilight Zone
- Input from **forum**

Evening: Informal group dinner; location TBD