

**Core 3 Synthesis Workshop: Ecosystem Impacts of the *Deepwater Horizon* Event:  
Assembling the Record of Species and Community Change  
23-25 July, 2019**

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and Natural Resources  
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NOAA-SEFSC  
Open Ocean Ecotype

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University of Miami  
Core Area 1 Representative  
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Will Patterson  
University of Florida  
Continental Shelf Ecotype

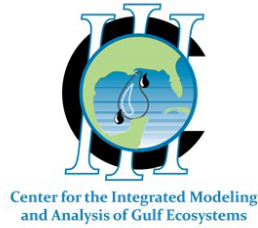
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Continental Shelf Ecotype

Erin Pulster  
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Kelly Robinson  
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Lori Schwacke  
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**On Site Support:**

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Madison Schwaab, USF  
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\* Research Board Members may self assign to any ecotype

**Open Ocean (8)**

Tracey Sutton  
Stacy Calhoun  
Kait Frasier  
Thomas Guilment  
Heather Judkins  
Rosanna 'Zan' Milligan  
Joel Ortega-Ortiz  
Verena Wang

**Inshore/Coastal Ecotype (12)**

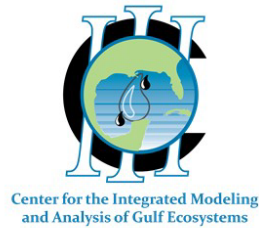
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Jenny Litz  
Tim MacDonald  
Craig Newton  
Ernst Peebles  
Kelly Robinson  
Lori Schwacke  
Ryan Takeshita

**Continental Shelf Ecotype (7)**

Will Patterson  
Cam Ainsworth  
Matt Campbell  
Dan Hahn  
Adam Pollack  
Erin Pulster  
Ted Switzer

**Deep Benthic (6)**

Paul Montagna  
Patrick Schwing  
David Hollander  
Mandy Joye  
Claire Paris  
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## Data providers not in attendance

Kendra Daly, University of South Florida  
open ocean

Frank Hernandez, USM  
deep benthic

Dean Grubbs, Florida State University  
cont shelf

Will Overholt, Friedrich Schiller University in Jena,  
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Michael Harden, Dept of Wildlife  
and Fisheries, LA  
inshore/coastal

Erik Cordes, Temple University  
deep benthic

Paul Mickle, MS Dept of Marine Resources  
inshore/coastal

Mandy Karnauskas, NOAA SEFSC  
cont shelf

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### Tasks for the Ecotype Groups:

- (1) Summarize pre- and post-oil spill trends in the abundance, species composition and dynamics of species within the defined ecotype,
- (2) Identify known missing data or analyses relevant to interpreting population change associated in time with the DWH accident and propose a strategy to acquire such data,
- (3) Construct a conceptual model of important species interactions and factors impacting species within the defined ecotype (e.g., Peterson et al. 2003). Discuss direct and indirect effects of DWH, and how the defined ecotype interfaces with the other three ecotypes being discussed,
- (4) Evaluate the resiliency and recovery potential of species within the ecotype and the ecotype as a whole, based on considerations of life history, connectivity with the wider Gulf, productivity and exposure potential. Evaluate the state of knowledge of rate processes of the key fauna of each ecotype (generation times, production rate, spawning/mating periodicity, natural mortality). In cases of data gaps, are there indicator taxa that could be used as proxies until more information is available?
- (5) Provide comments on the importance of existing monitoring programs and propose additional monitoring given the time span to recovery and the potential for future spills within the ecotype. Include comments on baseline chemical, physical and biological monitoring.