

Interdisciplinary FY13 Plans for the Gulf of Mexico

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Discipline	Title
IM	<p><u>Workshop on Future Directions in Understanding Physical-Biological Oceanographic Interactions in Mid- to Deep Waters of the Gulf of Mexico</u></p>
IM	<p>_____</p> <p>_____</p>
PO	<p>_____</p>

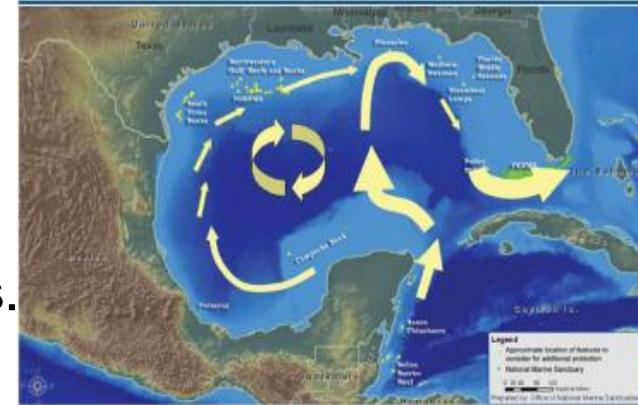


Information Management



Background

- Past and ongoing BOEM studies in GOM recommend more integration between the physical and biological oceanographic disciplines.
- Workshop will address processes bridging regions within the Gulf of Mexico, including both U.S. and Mexican waters, as well as addressing larger-scale connectivity with other ocean basins.
- Conversations are ongoing with GCOOS to coordinate and co-sponsor this workshop.



Relevance to BOEM

– Further understanding of how physical processes structure biological communities in mid- to deep waters will inform BOEM of the current state of the ecosystem and potential impact of perturbations. For use in study planning and NEPA work.

Objectives

- Review state-of-knowledge and ecological/mathematical modeling in mid- to deep waters of GOM (>100 meters);
- Identify gaps in use of physical data/information and their implications to biology;
- Develop plan for integrated studies;
- Identify both U.S. and Mexican collaborators;
- Evaluate science of ecological modeling on long time scales (e.g., climatic)



Methods

- Workshop will consist of invited technical presentations, workgroup sessions, and a final plenary session. A planning group will be formed to select the Chair(s) and finalize workshop structure. Keynote speakers will be chosen to address selected topics.

Products

- Final synthesis report detailing major workshop findings.
- Roadmap for a potential set of future BOEM studies that link physical and biological processes in the Gulf of Mexico.



Cost Breakdown

- Contractor organization of event (venue, etc.) ~ \$180k
- Final report preparation ~ \$50k
- Travel for invited speakers/moderators ~ \$20k
- TOTAL: \$200k - \$300k

