

Forum for Gulf of Mexico Hypoxia Research



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Results of 2012 Workshop

Two Synthesis Reports

- Gulf hypoxia effects on living resources
- Biogeochemical controls of Gulf hypoxia

Incorporated into Scientific Reassessment of the 2008 Gulf Hypoxia Action Plan

- Actions 5 and 9
- Outlined scientific needs for the next 5 years
- Released in mid-2013

2013 Hypoxia Forum

Goal: Advance the science underpinning management of the large annual hypoxic zone (“dead zone”) in the northern Gulf of Mexico

Three Components:

- 4th Annual Coordination Workshop
- Glider Application Meeting
- Hypoxia Modeling Technical Review Panel

2013 Hypoxia Forum

4th Annual Coordination Workshop

- Provide updates on Gulf hypoxia science
- Presentations on hypoxia and nutrient management relevant activities

Outputs:

- Monitoring and modeling matrix
- Workshop summary report

Results of 2012 Workshop

Glider Application Meeting

- Review current glider technologies and relevant monitoring projects
- Determine monitoring and information needs that could be met by gliders
- Assess remaining technological and scientific limitations for operational glider monitoring

Output:

- Gulf Hypoxia Glider Monitoring Implementation Plan

2013 Hypoxia Forum

Model Technical Review Panel

- Plenary presentations on Gulf hypoxia modeling efforts
- Assess the state of scenario forecast models
- Provide perspective on hypoxia modeling approaches that would best inform Gulf Hypoxia Task Force

Output:

- White paper on Gulf hypoxia modeling approaches

2013 Hypoxia Forum

Application of Forum outputs

- Inform the next NGOMEX RFP as well as the NOAA ecological forecasting roadmap initiative
- Provide guidance to Gulf Hypoxia Task Force
- Continue high level of coordination among researchers and coastal managers