

2nd Annual Workshop to Coordinate Gulf of Mexico Hypoxic Zone Research: Monitoring and Modeling

March 31-April 1, 2011
Bay St. Louis, MS

Sponsored by:

Northern Gulf Institute
NOAA Gulf of Mexico Regional Collaboration Team
NOAA NCCOS Center for Sponsored Coastal Ocean Research
NOAA NESDIS National Coastal Data Development Center
NOAA Coastal Services Center

Meeting Purpose: To improve coordination of monitoring and modeling for the Gulf Hypoxic Zone for 2011 and beyond, and to facilitate management of the Hypoxic Zone by incorporating research findings and plans into the Gulf Hypoxia Task Force Annual Progress Report and Annual Operating Plans.

~ Objectives~

- Bring stakeholders together to share on-going hypoxia activities in the Gulf of Mexico region and to discuss key results and research plans for the remainder of FY11 and FY12.
- Discuss synergies and leveraging opportunities among the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force, Gulf of Mexico Alliance, and Gulf Coast Ecosystem Restoration Task Force.
- Review status of and solicit input regarding the hypoxia monitoring matrix and implementation plan, hypoxia modeling matrix, FY11 Dead Zone Forecast, hypoxia data management plans, and hypoxia communications plan.
- Discuss hot topics/issues (e.g., oil spill, new methodologies, platform issues) related to hypoxia activities that might have broad relevance to all participants.
- Create a process and timeline for consolidating hypoxia information to present to the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force and the integration of this information into the hypoxic zone implementation Plan.

Primary Outputs

- Monitoring Matrix and Implementation Plan Update
- Modeling Matrix and Plans for FY11 Dead Zone Forecast
- Data Management Update
- Communication Plan Update
- Framework for the synthesis of Hypoxic Zone Dynamics and Results for Incorporation into the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force

Thursday, March 31st, 2011

DAY 1 ACTIVITIES and OBJECTIVES	
8:30	Breakfast (provided) and Registration
9:00	Opening Remarks, Workshop Objectives, and Introductions <u>Speakers:</u> <ul style="list-style-type: none">• John Harding (NOAA)• Marian Hanisko (NOAA)
9:40	Background presentations on the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force, Gulf of Mexico Alliance, Gulf Coast Ecosystem Restoration Task Force and the previous hypoxia coordination workshop. Panel discussion on the interrelationships and synergies between the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force, Gulf of Mexico Alliance and the Gulf Coast Ecosystem Restoration Task Force. <u>Moderator:</u> David Scheurer (NOAA) <u>Speakers:</u> <ul style="list-style-type: none">• Kim Caviness (MS)• Richard Ingram (MS)• Alyssa Dausman (USGS)• David Kidwell (NOAA)
10:30	Coffee Break
10:45	Group presentations on FY10 and FY11 activities conducted to date (research, monitoring, and modeling), key results from the activities, and planned activities for the rest of FY11 and into FY12, followed by a group panel discussion. <u>Moderator:</u> David Scheurer (NOAA) <u>Speakers:</u> <ul style="list-style-type: none">• Eugene Turner (NOAA/NGOMEX – LUMCON)• Steve DiMarco (NOAA/NGOMEX – TAMU)• Stephen Brandt (NOAA/NGOMEX – Oregon Sea Grant)

12:15	Lunch (provided)
1:15	<p>Group presentations on FY10 and FY11 activities conducted to date (research, monitoring, and modeling), key results from the activities, and planned activities for the rest of FY11 and into FY12, followed by a group panel discussion.</p> <p><u>Moderator:</u> David Scheurer (NOAA)</p> <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Rick Greene (EPA, Gulf Breeze Lab) • Dong Ko (NAVY, Naval Research Lab) • John Harding (NOAA, NCI-SURA) • Rich Patchen (NOAA, Coastal Survey Development Lab) • Russ Beard (NOAA, SEAMAP-Digital Atlas) • Duane Armstrong (NASA, Stennis Space Center) • Jeff Graschell (NOAA, Slidell Weather Forecasting Office)
2:45	Coffee Break
3:00	<p>Break-out groups to provide input into monitoring, data integration, and education/outreach. Participants will rotate among the 3 groups. (30 min for each rotation)</p> <p><u>1. Monitoring Implementation (Facilitators)</u></p> <ul style="list-style-type: none"> • David Kidwell (NOAA) • Todd Davison (NOAA) <p><u>2. Data Integration (Facilitators)</u></p> <ul style="list-style-type: none"> • Russ Beard (NOAA) • Angela Sallis (NOAA) <p><u>3. Education/Outreach (Facilitators)</u></p> <ul style="list-style-type: none"> • Stacy Ray (NOAA) • Ann Weaver (NOAA)
4:30	<p>Wrap Up of Day 1 activities and preview of Day 2</p> <p><u>Speaker:</u></p> <ul style="list-style-type: none"> • Marian Hanisko (NOAA)
5:00 – 7:00	Hypoxia Happy Hour (at BSL YC). Finger foods and Cash Bar. Dinner on your own.

Friday, April 1st, 2011

DAY 2 ACTIVITIES and OBJECTIVES	
8:30	Breakfast (provided) and Registration
9:00	Review results of Day 1, and provide an overview of Day 2 <u>Speaker:</u> Marian Hanisko (NOAA)
9:15	Large group discussion on the results of the breakout sessions from Day 1 and to fill in any remaining gaps. <u>Moderator:</u> Marian Hanisko (NOAA) <u>Speakers:</u> <ul style="list-style-type: none"> • David Kidwell (NOAA) – Monitoring Implementation <u>Output:</u> Updated monitoring matrix of activities • Russ Beard (NOAA) – Data Integration <u>Output:</u> Updated Gulf Atlas • Stacy Ray (NOAA) – Education/Outreach <u>Output:</u> Updated Communications Plan
10:00	Break-out groups to provide input into general model coordination, deadzone forecast plans, and hypoxia hot topics. Participants will rotate among the 3 groups. (30 min for each rotation) <u>1. General Modeling Coordination (Facilitators)</u> <ul style="list-style-type: none"> • Steve DiMarco (TAMU) • Marian Hanisko (NOAA) <u>2. FY 11/12 Forecasts (Facilitators)</u> <ul style="list-style-type: none"> • David Scheurer (NOAA) • Ann Weaver (NOAA) <u>3. Hypoxia Hot Topics (Facilitators)</u> <ul style="list-style-type: none"> • John Harding (NGI) • Todd Davison (NOAA)
10:30	Coffee Break
10:45	Break-out groups (Continued – 2 nd and 3 rd rotations)

11:45 – 1:00	Lunch (provided)
1:00	<p>Large group discussion on the results of the breakout sessions from Day 2 and to fill in any remaining gaps.</p> <p><u>Moderator:</u> Marian Hanisko (NOAA)</p> <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Steve DiMarco (TAMU) – General Modeling Coordination <u>Output:</u> Updated modeling matrix of activities • David Scheurer (NOAA) – FY 10/11 Hypoxia Forecasts <u>Output:</u> Updated list of forecast products • John Harding (NGI) – Hypoxia Hot Topics <u>Output:</u> Increased awareness of important issues
1:45	<p>Discussion on the synthesis and regular incorporation of results into the Mississippi River/Gulf of Mexico Watershed Nutrient Task Force activities.</p> <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • David Kidwell (NOAA) • Aaron Kornbluth (EPA)
2:45	<p>Review of Next Steps, Closing Remarks</p> <p><u>Speaker:</u> Marian Hanisko (NOAA)</p>
3:00	<p>Adjourn</p> <p>*Meeting notes will be posted at this web address: http://www.ncddc.noaa.gov/activities/gulf-hypoxia-stakeholders/view</p>

Meeting Steering Committee:

Steve DiMarco (TAMU) - co chair
 Libby Jewett (NOAA) - co chair
 Nancy Rabalais (LUMCON) - co chair
 Dave Scheurer (NOAA) - co chair
 Russ Beard (NOAA)
 Todd Davison (NOAA)
 Rick Greene (USEPA)
 Marian Hanisko (NOAA)
 John Harding (NGI)
 Dubravko Justic (LSU)
 Dave Kidwell (NOAA)
 Alan Lewitus (NOAA)
 Aaron Kornbluth (USEPA)
 Stacy Ray (MS/AL Sea Grant)
 LaDon Swann (MS/AL Sea Grant)