

Coastal Response Research Center Workshop  
*“Innovative Coastal Modeling for Decision Support: Integrating Physical,  
Biological and Toxicological Models”*

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September 26 - 28, 2006  
University of New Hampshire  
320 Gregg Hall  
Durham, NH

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**Monday, September 25, 2006**                      Arrival and Check In                      New England Center

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**Tuesday, September 26, 2006**

Shuttle from Hotel to Gregg Hall (Meet in hotel lobby at 7:45 am)

8:00 am	Full Breakfast	<i>Gregg Hall, Room 320</i>
8:30 am	Welcome & Introductions	<i>Coastal Response Research Center(CRRC) Nancy Kinner, Amy Merten</i>
9:00 am	Opening Remarks by CRRC Partners	<i>Ken Barton (Director of NOAA/ORR) Taylor Eighmy (UNH, Director of Strategic Initiatives)</i>
9:15 am	Workshop Structure and Outcomes	<i>Charles Vörösmarty (Facilitator)</i>
9:30 am	Spill Response: Defining the Challenges (NOAA)	<i>Debbie Payton (NOAA)</i>
10:00 am	Break	

**Day 1 – Preparing for the Next Spill and Predicting Environmental Risk:  
Approaches and Challenges**

10:15 am	<i>Modeling for Decision Support: The Prestige Example</i>	<i>Joaquín Tintoré (IMEDEA)</i>
10:45 am	<i>Population-Level Risk Assessment: Pesticides Scenario and Experiences</i>	<i>Wayne Munns (US EPA)</i>
11:15 am	<i>Integrated Modeling: A New Approach to Improved Spill Response Modeling</i>	<i>Joel Baker (UMCES, CBL)</i>
11:45 am	Integrating Biology and Toxicity into Physical Models	<i>Christian Sarason (University of Washington)</i>
12:15 - 2:00 pm	Lunch (on your own) / Shuttle available to Hotel	
2:00 pm	Shuttle from Hotel to UNH Browne Center (dress casually & warmly for possible outdoor activities)	<i>The Browne Center</i>

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Coastal Response Research Center, Gregg Hall  
University of New Hampshire  
603.862.1545

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2:30 pm	<b>Breakout Session</b> <i>Introduction: Overall Breakout Sessions Strategy</i> <i>Place of Refuge</i> <i>Operational Decision Making</i>	<i>Charles Vörösmarty (Facilitator)</i> <i>CJ Beegle-Krause (NOAA)</i> <i>Glen Watabayashi (NOAA)</i> <i>CJ Beegle-Krause (NOAA)</i>
4:30 pm	Group Reports	<i>Charles Vörösmarty (Facilitator)</i>
5:30 pm	Social Time	
6:00 – 7:30 pm	Evening Dinner	<i>The Browne Center</i>
7:30 pm	Shuttle to Hotel	

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**Wednesday, September 27, 2006**

Shuttle from Hotel to Gregg Hall (Meet in hotel lobby at 7:45 am)

8:00 am	Full Breakfast	<i>Gregg Hall, Room 320</i>
8:30 am	Recap and Recalibration	<i>Charles Vörösmarty (Facilitator)</i>
	<b>Day 2 – Elements in Predicting Environmental Effects</b>	
8:45 am	<i>Response Options and Tradeoffs: How We Do It Now</i>	<i>Alan Mearns (NOAA)</i>
9:15 am	<i>Key Physical Process: Ocean Surface Mixed Layer</i>	<i>Greg Chini (UNH)</i>
9:45 am	<i>Biophysical Modeling: Larval Dynamics and Recruitment in Coral Environments</i>	<i>Claire Paris-Limouzy (University of Miami)</i>
10:15 am	Break	
10:30 am	<i>Toxicological Modeling: Impacts of Low Levels of Residual Oils on Toxicity Assessment of Oil Spills: Equilibrium Approach</i>	<i>Joy McGrath (HydroQual, Inc)</i>
11:00 am	Survival Time Models Quantitatively Predict Lethal Effects to Grass Shrimp: Pulsed and Different Duration Exposures to Single PAH and PAH Mixtures from Spilt Oil: Toxicokinetic Approach	<i>Michael Unger (VIMS)</i>
11:30 am	Integrated Assessment to Support Ecosystem Modeling and Management	<i>Tracy Collier (NOAA/NWFS)</i>
12:00-2:00pm	Lunch (on your own) / Shuttle available to Hotel	

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2:00 pm	Shuttle from Hotel to Seacoast Science Center (dress casually & warmly – at ocean)	<i>The Seacoast Science Center</i>
2:45 pm	<i>Modeling Dispersion for Decision-Makers: Dispersant Scenario</i>	<i>Charlie Henry (NOAA)</i>
3:00 – 5:15 pm	<b>Breakout Session</b> <i>Introduction: Overall Breakout Session Strategy</i> <i>Integrated Modeling for Spills: Interdisciplinary Mapping of a Situation Space / Break into Groups to produce Influence Map and Integrated Model Wiring Diagram</i>	<i>Charles Vörösmarty (Facilitator)</i> <i>CJ Beegle-Krause (NOAA)</i>
5:30 –6:30 pm	Group Reports	
6:30 – 7:30 pm	Evening Dinner (Lobster/Clambake)	<i>The Seacoast Science Center</i>
7:30 pm	<i>Synthesis: Interdisciplinary Mapping of a Situation Space</i>	<i>Charles Vörösmarty(Facilitator)</i> <i>CJ Beegle-Krause (NOAA)</i>
8:30 pm	Shuttle to Hotel	

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**Thursday, September 28, 2006**

Shuttle from Hotel to Gregg Hall (Meet in hotel lobby at 7:45 am)

8:00 am	Full Breakfast	<i>Gregg Hall, Room 320</i>
8:30 am	Recap and Recalibration	<i>Charles Vörösmarty (Facilitator)</i>
8:40 am	<i>Integrating Physical, Biological and Toxicological Models: Challenges and Emerging Technologies</i>	<i>Mark Reed (SINTEF)</i>
9:10 am	<b>Breakout Session</b> <i>Introduction: Defining Time and Length Scales and Data Needs for Integrated Models</i>	<i>Charles Vörösmarty (Facilitator)</i> <i>CJ Beegle-Krause(NOAA)</i> <i>Venkatramani Balaji (ESMF)</i>
11:45 am	Group Reports	
12:45 -1:30 pm	Buffet Lunch	<i>Gregg Hall, Room 320</i>
1:30 – 3:00 pm	Group Consensus on Key Findings Revisit Goals and Outcomes Follow-up Activities/Action Items/Synthesis	<i>Charles Vörösmarty (Facilitator)</i>
3:00 pm	Closing Remarks	<i>CRRC and NOAA</i>