

## Forum on Hydrodynamic Modeling in the Hudson River Estuary

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### WORKSHOP AGENDA

January 31, 2012 (Snow date February 3)  
Hudson River Foundation, New York, NY

8:45 am -9:30 am	<b>Registration, Continental Breakfast, Networking</b>
9:30 am – 9:45 am	<b>Welcome and Introductions</b>
9:45 am – 10:00 am	<b>Meeting Objectives and Desired Outcome</b> <b>Background on Models: Model Characteristics, User Needs</b> <b>Agenda and Ground Rules for the Day</b>
10:00 am – 11:15 am	<b>Modeling Presentations and Discussion – Part 1</b> <i>Introductions: Kristin Marcell, Hudson River Estuary Program</i> <i>Moderator: Arleen O’Donnell, ERG</i> <ul style="list-style-type: none"><li>• NOAA National Weather Service Northeast River Forecast Center Model <i>Ed Capone, NOAA NWS Northeast River Forecast Center</i></li><li>• FEMA Riverine Flood Study <i>Paul Weberg, FEMA</i></li><li>• NOAA Sea, Lake and Overland Surges from Hurricanes (SLOSH) Model <i>Robbie Berg, NOAA National Hurricane Center</i></li><li>• FEMA Coastal Flood Study <i>Jeff Gangai, Dewberry</i></li></ul>
11:15 am -11:30 am	<b>Break</b>
11:30 am – Noon	<b>Facilitated Discussion – Priority User Needs and Gaps</b>
12:00 pm – 12:30 pm	<b>Lunch</b> ( <i>provided</i> )
12:30 pm - 12:45 pm	<b>Summarize Results of Morning Session and</b> <b>Introduce Afternoon Session</b>

(over)

12:45 pm - 2:00 pm

**Modeling Presentations and Discussion – Part 2**

*Introductions: Kristin Marcell, Hudson River Estuary Program*

*Moderator: Arleen O'Donnell, ERG*

- New York Harbor Observation and Prediction System  
*Nickitas Georgas, Stevens Institute of Technology*
- Storm Surge Model for the New York Metropolitan Area  
*Malcolm Bowman, SUNY Stony Brook*
- Flood/Wilson Hydrodynamic Model for the Upper Hudson Estuary  
*Roger Flood/Bob Wilson, SUNY Stony Brook*
- Hydrodynamics and Suspended Sediment Model  
*Rocky Geyer, Woods Hole Oceanographic Institution*

2:00 – 2:30 pm

**Facilitated Discussion – Priority User Needs and Gaps**

2:30 pm – 2:45 pm

**Break**

2:45 pm – 3:45 pm

**Facilitated Discussion: What do we need to meet user priorities and address key gaps?**

- (1) What are the most critical research questions we need to answer?
- (2) What are the most critical monitoring and data needs to answer the research questions?
- (3) What are the most critical gaps in modeling results that we need to fill to meet user priorities?
- (4) What do we need to enable users to access and use the modeling results?

3:45 pm - 4:15 pm

**Identify priorities, summarize results**

4:15 pm – 4:30 pm

**Wrap up, and adjourn**

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