



# Oil Spill Response Modeling Workshop: State-of-the-Art Deepwater Well Blowout Modeling

NOAA • 7600 Sandpoint Way, NE • Seattle, WA

September 26-27, 2011

## AGENDA

### Day 1

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| 8:30-9:00 AM   | <b>Check-in - Meeting in NOAA's PMEL Seminar Room, Building 3, Room 2104</b>   |
| 9:00-9:30 AM   | <b>Welcome, Logistics, Introductions</b><br>Mr. Mark Dix, <i>NOAA OR&amp;R/ERD</i><br>Dr. Nancy Kinner, <i>UNH Co-Director, Coastal Response Research Center</i>   |
| 9:30-10:00 AM  | <b>Modeling for Response Decision Support</b><br>Mr. Glen Watabayashi, <i>NOAA OR&amp;R/ERD</i>  |
| 10:00-10:30 AM | <b>Deepwater Well Blowout Modeling Decision Support: Before the Deepwater Horizon</b><br>Dr. CJ Beegle-Krause, <i>Genwest Systems, Inc.</i>  |
| 10:30-11:00 AM | <b>Discussion Questions</b><br>Dr. Chris Barker, <i>OR&amp;R/ERD</i><br><br>Decision Support Questions for Deepwater Well Blowouts and how NOAA intends to use the results of this workshop in future modeling efforts.  |
| 11:00-12:00 PM | <b>Overview of the Deepwater Horizon MC 252 Oil Spill Observations</b><br>Dr. Ira Leifer, <i>University of California, Santa Barbara</i>   |
| 12:00-12:30 PM | <b>Lunch</b>   |
| 12:30-1:30 PM  | <b>Overview of the Flow Rate Technical Group (FRTG) report</b><br>Dr. Alberto Aliseda, <i>University of Washington</i>   |
| 1:30 – 2:30 PM | <b>Hydrate Formation During Deepwater Well Blowouts</b><br>Dr. Jonathan Levine, <i>Colorado School of Mines</i>  |
| 2:30-3:00 PM   | <b>Break</b>   |
| 3:00-4:45 PM   | <b>Presentations of the Different Deepwater Well Blowout Numerical Models</b><br>Introduction - Dr. CJ Beegle-Krause, <i>Genwest Systems, Inc.</i><br>Sintef DeepBlow Oil Droplet Distributions and Bubble Distributions - Dr. Øistein Johansen, <i>Sintef Group</i> |
| 4:45 PM        | <b>Wrap Up and What's Ahead for Tomorrow</b>   |
| 5:00 PM        | <b>Shuttle to Hotel</b>  |
| 6:30 PM        | <b>Group Dinner at Piatti Ristorante</b>   |
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**Day 2**

8:30-9:00 AM	<b>Check-In</b>
9:00-10:30 AM	<b>Presentations of the Different Deepwater Well Blowout Numerical Models</b> ASA's OILMAP DEEP - Dr. Malcolm Spaulding, <i>University of Rhode Island</i> Buoyancy Limited - Dr. Scott Socolofsky, <i>Texas A&amp;M University</i>
10:30-10:45 AM	<b>Break</b>
10:45-11:30 AM	<b>Group Discussion: What are the key physics for modeling deepwater well blowouts?</b> Dr. S. Balachandar, <i>University of Florida, Gainesville</i>
11:30 – 12:15PM	<b>Hydrate Formation and Plume Buoyancy</b> Dr. Eric Adams, <i>Massachusetts Institute of Technology</i>  A short presentation and group discussion on hydrate formation / non-formation during the Deepwater Horizon.
12:15-1:00 PM	<b>Lunch</b>
1:00- 2:00 PM	<b>Group Discussion: Is there a subset of these physics that will answer the response questions?</b> Dr. CJ Beegle-Krause, <i>Genwest Systems, Inc.</i>
2:00-2:30 PM	<b>Group Discussion: What observations are needed to support these models?</b> Dr. Amy Macfadyen, <i>OR&amp;R ERD</i>
2:30-2:45 PM	<b>Break</b>
2:45-3:45 PM	<b>Group Discussion: What research needs have been identified in this workshop?</b> Dr. Nancy Kinner, <i>UNH Co-Director, Coastal Response Research Center</i>
3:45-4:45 PM	<b>Around-the-Room Discussion: Further Discussion and Recommendations</b> Dr. CJ Beegle-Krause, <i>Genwest Systems, Inc.</i>  An around-the-room discussion to gain key insights, interests, etc. from the meeting.
4:45-5:00 PM	<b>Final Thanks</b> Dr. Nancy Kinner, Dr. Chris Barker, and Dr. CJ Beegle-Krause