WELCOME

Oil Spill Response R&D Forum

January 10-11, 2012

Background and Goals

- Logistics
- Today's Agenda
- Center for Spills in the Environment (CSE)
  - Overall Mission

Logistics

- Fire Exits
- Restrooms
- Dining: breakfasts, lunches & snacks
- Tuesday evening dinner: Juban's (shuttle provided, carpool with map)
- Logistical questions see Kathy Mandsager or other CSE staff

Coastal Response Research Center (CRRC) and the Center for Spills in the Environment (CSE)

History

CRRC

- Partnership between NOAA's Office of Response and Restoration and the University of New Hampshire (Since 2003)
- Funding for oil spill research was decreasing
- Coordinate and fund oil spill research
- Facilitate workshops bringing together ALL STAKEHOLDERS to determine and prioritize R&D needs

Overall CRRC Mission

- Act as hub for oil spill R&D community
- Conduct and oversee basic and applied research and outreach on spill response and restoration
- Transform research results into practice
- Educate/train students who will pursue careers in spill response and restoration

Center for Spills in the Environment

- Same goals and mission as CRRC
- Able to receive funding from non-NOAA sources
  - Industry, NGOs, other State and Federal Agencies

CRRC/CSE Staff

- Nancy Kinner, UNH Co-Director
- Joseph Cunningham, Research Engineer II
- Zachary Magdol, Research Engineer I
- Kathy Mandsager, Program Coordinator

Oil Spill Response R&D Forum

- Goals
  - Review previous and on-going R&D
  - Present newly funded projects
  - Evaluate mechanisms for scientific exchange and coordination
- Funding
  - API

Forum Agenda

- **Tuesday: Plenary Presentations by Topic**
  - **Physical Transport, Chemical Behavior and Fate of Oil, Dispersants, and Dispersed Oil**
  - **Biological Fate and Effects - Resources at Risk - Biological Modeling**
  - **Response Technologies (e.g., dispersants, in-situ burning, skimming, shoreline protection)**
  - **Monitoring Oil, Dispersants, and Dispersed Oil**
  - **Modeling Transport and Behavior of Oil, Dispersants, and Dispersed Oil**

Wednesday Agenda

- **Breakout Questions:**

1. What are the current and new R&D projects being conducted?
2. How do these projects fit in to the list of given R&D needs?
3. Which previous studies can be used to help inform current and new projects?
4. What existing resources are available to help inform current and new projects (e.g., databases, methods, protocols)?
5. Discuss any mechanisms for scientific exchange and coordination of current and new projects (e.g., collaboration, responder/practitioner and project liaisons).

Participant Introduction

Name

Affiliation

Expertise

Physical Transport, Chemical Behavior & Fate of Oil, Dispersants, and Dispersed Oil

- Per Johan Brandvik: SINTEF, Norway
- Ed Buskey: University of Texas Austin
- Dandina Rao: Louisiana State University
- David Schroeder: EPA Region 5
- Piers Chapman: Texas A&M University

Biological Fate and Effects - Resources at Risk - Biological Modeling

- Linda Hooper-Bui: Louisiana State University
- Jim Clark: Ecosystem Management and Associates
- Uta Passow: University of California, Santa Barbara
- Roger Prince: ExxonMobil

Response Technologies

- Vijay John: Tulane University
- John Pardue: Louisiana State University
- Alexis Steen: ExxonMobil
- Tim Nedwed: ExxonMobil

Monitoring Oil, Dispersants, and Dispersed Oil

- Marty Cramer: Conoco Phillips
- Zhengyu Mia: Louisiana State University

Modeling Transport and Behavior of Oil, Dispersants, and Dispersed Oil

- Bill Dewar: University of Miami
- Casey Dietrich: University of Texas Austin
- Mark Reed: SINTEF, Norway
- Tom Parkerton: ExxonMobil
- Haosheng Huang: Louisiana State University

Additional Relevant Projects

- Ann Hayward Walker: Scientific and Environmental Associates
- Steve Sempier: MS-AL Sea Grant Consortium
- Ken Lee: Bedford Institute of Oceanography, DFO, Canada