

# Coastal Response Research Center

Nancy Kinner, UNH Co-Director  
Amy Merten, NOAA Co-Director

September 16 - 17, 2008



Coastal Response Research Center

# Center Staff at Modeling Workshop

- Program Coordinator - Kathy Mandsager
- Program Support Assistant - Kristin Bailey-McCarthy
- Scribes - Graduate Students
  - Heather Ballestero
  - Tyler Crowe
  - Sarah Lilley
  - Zachary Magdol



# Logistics

- Bathrooms
- Gregg Hall has WiFi
- Emergency Exits
- Center “Help Desk”
- Parking vs. Group Transport
- Group Dinner (Tuesday)
- Dinner on your own on Wednesday
- Continental Breakfasts & Lunches (Gregg Hall)



# Packet Contents

- Agenda
- Participant List
- Breakout Discussion Groups
- Subgroup Discussion Topics (colored sheets)
- Wrap-Up Notes from June 2007 Modeling Summit
- UNH Service Agreement Criteria



# CRRC Mission

- Develop new approaches to spill response and restoration through research/synthesis of information
- Serve as a resource for ORR and NOAA
- Serve as a hub for spill research, development, and technical transfer

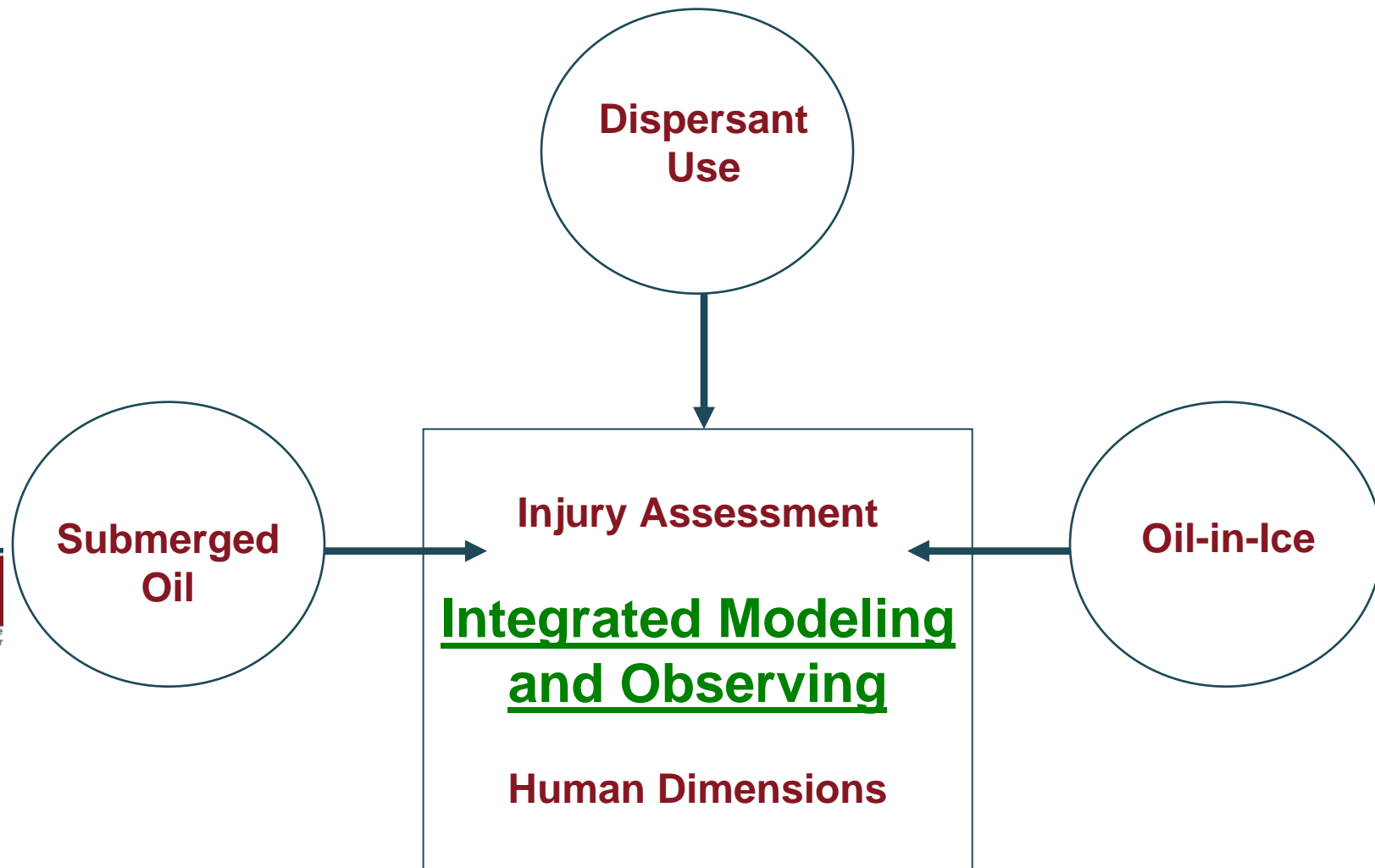


# Specific Center Missions

- Conduct and oversee basic and applied research and outreach on spill response and restoration
- Transform research results into practice
  - NOAA Liaisons
- Educate/train students who will pursue careers in spill response and restoration



# Focus Topics



# Integrated Modeling and Ocean Observing

- Integrated modeling focus of Center's Fall 2006 Institute for ERD "Hot Topics"
- Need to develop emphasis on biological integration in physical/chemical spill response and recovery models
- Models are integral parts of dispersant, submerged oil and human dimensions topics
- Models need to interface/incorporate/integrate with ocean observing system information
  - e.g., HF radar and new types of 3D drogues
- Modeling working group formed to develop new 3D algorithms





# Spill Modeling Summit



- June 2007 at UNH
- Discussion and Consensus/Synthesis on:
  - State-of-the Art for Spill Modeling
  - Future Oil Spill Modeling
  - Research Questions for Spill Modeling
- Wrap-Up Notes in Packets



# Modeling Working Group

- Members:
  - CJ Beegle-Krause (ASA)
  - Whitney Blanchard (CRRC/UNH)
  - Michel Boufadel (Temple University)
  - Jim Clark (ExxonMobil)
  - Kate Clark (NOAA ORR, ARD)
  - Debbie French McCay (ASA)
  - Nancy Kinner (CRRC/UNH)
  - Wolfgang Konkel (ExxonMobil)
  - Bill Lehr (NOAA ORR, ERD)
  - Amy Merten (CRRC/NOAA ORR)
  - Debbie Payton (NOAA ORR, ERD)
  - Mark Reed (SINTEF)



# Subgroup Topics

- Biological Effects Modeling (French McCay)
- Physical Transport (Beegle-Krause & Boufadel)
- Physical Fate & Behavior (Reed & Lehr)
- Spill Response Modeling (Payton & Konkel)



# The Big Goal

- Identify Existing 'Best Practices' in Oil Spill Modeling
- Identify Gaps in Current 'Best Practices'
- Identify Steps to Fill Gaps and Improve State-of-the-Art
  - Biological Effects Modeling (French McCay)
  - Physical Transport (Beegle-Krause & Boufadel)
  - Physical Fate & Behavior (Reed & Lehr)
  - Spill Response Modeling (Payton & Konkel)



# Goals of September 16 -17 Meeting

- Kick-off Meeting to Start Process
- Review State-of-the-Art for Each Topic
- Identify Gaps/Weaknesses in Capabilities
- Prioritize Research Needs
- Decide on a Way Forward



# Participant Introductions

- Name
- Affiliation
- Interests for Participation

