Leveraging Science and Academic Engagement During Incidents

February 7, 2018

@ 2018 GOMOSES Conference

Nancy E. Kinner
University Professor
Professor, Civil & Environmental Engineering
Coastal Response Research Center

Overview

• NOAA ORR
  • This is core to ORR ERD and SSC’s for response; the division that is responsible for science
  • Vast amount & depth of science
• Define science coordination and how it applies to spill response and preparedness
• Interaction between science & response communities
• There are numerous models; discover best practices
• GOMRI-funding may be closing; but will still need experienced researchers (and others unrelated to oil)
Overall Goal

• The overall goal is to improve NOAA ORR in its unique scientific approach and responsibility during spill response, by leveraging science and academic engagement to promote improved response.

Workshop Organizing Committee

• NOAA ERD: Scott Lundgren, Steve Lehmann, Chris Barker, Carl Childs
• NOAA ORR: Lisa DiPinto
• GOMRI: Chuck Wilson
• SeaGrant: Steve Sempier/LaDon Swann
• Academia: Dave Hollander, David Valentine
• Environment Canada: Ken Lee & Carl Brown
• USCG: Kevin Sligh
• Industry: Paul Schuler, OSRL & Ann Hayward Walker, SEA Consulting
• State: Yvonne Addassi, CA OSPR & Steve Murawski,
Workshop Discussion

- Clarify objectives: what do we need to accomplish
- Define academic
- Don’t wish to impose if there is already a working model/don’t recreate the wheel / select best practices
- There may be a fairly positive funding mechanism during an incident; not so in peace time

Workshop Discussion

- Build off previous SAN/SPERR work (review their survey data)
  [See>>https://crrc.unh.edu/san]
- An opportunity to look at & learn from broader (cross-disciplinary) models (i.e., veterinary support during incidents; “Team B” approach)
Address Potential Obstacles

- Contracts
- Timeliness of sampling and/or delivery of results
- Effective timely shipping of oil samples
- Researchers answer NOAA’s questions
- Need for subject matter experts (SME’s) is crucial to fill gaps
  - Federal shutdowns
  - Expertise retiring

Workshop

- 2-day workshop
- Potential location - NOAA’s Disaster Response Center, Mobile, AL
- ~35 workshop participants
Thank you!

Nancy E. Kinner, PhD

Professor, Civil & Environmental Engineering
University of New Hampshire
UNH Director, Coastal Response Research Center
Director, Center for Spills & Environmental Hazards
http://crrc.unh.edu/