

# Spills Advisory Group

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## CRRC Activities (NOAA)



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## Environmental Disasters Data Management (EDDM)

- Project Leads: Amy Merten & Sharon Mesick
- EDDM Workshop: Sept 2014
- EDDM Working Groups
- Overall Goal: Provide information and data services that improve quality and speed of decision-making in response to environmental disasters



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## EDDM Working Groups

- Common Data Model
- Field Protocols and Training
- Gold Standards (including vocabularies, interoperability, QA/QC, baseline data)
  - Objectives and outcomes for each group are available on CRRC website:  
<http://crrc.unh.edu/EDDM>



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## Upcoming EDDM Workshop

- DWH Long Term Data Management Coordination Workshop - Spring 2017
  - Foster collaboration among GOM partners
  - Identify standards, protocols, guidance
    - Goal: Best practices on public distribution/access
  - Obtain feedback on EDDM working group products



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## State-of-Science for Dispersant Use in Arctic Waters

- Each panel is producing a document of knowns & uncertainties based on the literature published to date
- CRRC database of publications completed (2008 to current)
- LUMCON database prior to 2008



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## Status of Papers by Panel

Topic	Input Period	Document Status	# Responses	Final Expected
Efficacy & Effectiveness	1/22-2/22/2016	Final by panel, addressing input	12	January 2017
Physical Transport & Chemical Behavior	1/22-2/22/2016	Final by panel, addressing input	12	March 2017
Degradation & Fate	4/4-5/4/2016	Final by panel, addressing input	7	March 2017
Ecotoxicity & Sublethal Impacts	Pends	Draft completed, in editing before panel review/ approval	Pends	Public release March 2017
Public Health & Food Safety	Pends	Sub-group work complete, final panel now considering	Pends	Public release May 2017



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## State-of-Science for Dispersant Use in Arctic Waters

- Peer Review Overview
- Protocol for Releasing Documents
- Host second workshop on outreach / education in 2017
- Generate recommendations on outreach materials



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## NOAA Regional Preparedness Training (NRPT)

- Project Lead: Charlie Henry
- Workshops in 3 Gulf states on various topics



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## NRPT - Texas

- Oil Spill Response Options for the Flower Garden Banks National Marine Sanctuary
- Final report on CRRC website
- Overall Conclusions:
  - Response options should be based on a “minimal regret” for sensitive natural resources, especially FGBNMS unique habitat
  - Local real-time oceanographic data is necessary
  - Continual regional training important, including for natural resource trustees, to improve decision-making during response



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## NRPT - Alabama

- Date: June 7 - 9, 2016
- Topic: Natural Disaster Causing Technology Disasters in Mobile Bay Area
- Final report on CRRC website
- Identified the need for:
  - More continual and frequent Area Committee meetings and trainings with greater participation among stakeholders
  - More training & equipment for local police departments for HazMat response
  - Internal and external process and procedure for developing and releasing press releases, and sharing information and data from the UC



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## NRPT - Florida

- Date: June 28 - 30, 2016
- Topic: Addressing Public Concerns During Spill Response
- Report under review with Organizing Committee
- Workshop Recommendations:
  - From the 20+ questions developed at the workshop, develop:
    - Training material for regional response teams
    - Pre-prepared public information packets
  - For each region, identify and index the site specific sources of information for the response teams to have at their disposal



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## SCAT Workshop

- Date: January 18 - 19, 2017
- Workshop Outcomes:
  - Developed best practices for SCAT Data Standard, QA/QC and data flow, and data handling and exercise development best practices
  - Identified path forward
    - Next six months: 5 items (e.g., revise data standard, develop communication strategy)
    - Next year: 2 items (e.g., incorporate best practices in the NOAA SCAT Shoreline Assessment Manual)
    - Next three years: 2 items (e.g., SCAT data management as part of ASTM International)
- Report is in draft stage



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## CRRC Activities at IOOSC

- Exhibit shared with NOAA
- Session Chair on Natural Resource Damage 1
- Presentation on "Movement and Erosion of Alberta Bitumen Along the Bottom as a Function of Temperature, Water Velocity and Salinity"
- Presentation on "Efforts by NGOs to Foster Greater Cooperation on Oil Spill Response, Damage Assessment, Restoration and Communication Between Russia and the U.S."
- Dispersant and Submerged Oil Working Group meetings



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## AAAS

- 2017 AAAS Annual Meeting in Boston
- The Legacy of Deepwater Horizon: New Science Affecting Marine Oil development Policy
- Presenters: Steve Murawski, Rita Colwell, Michael Schlüter, Nancy Kinner



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## UNH Flume/Submerged Oil Research

- Graduate Student (Melissa Gloekler) and team of undergraduates
- Presented at Area Committee meeting (Feb 22)



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# Use of Snare for Submerged Oil

- Detection



API Sunken Oil Detection and Recovery, 2016

- Monitoring



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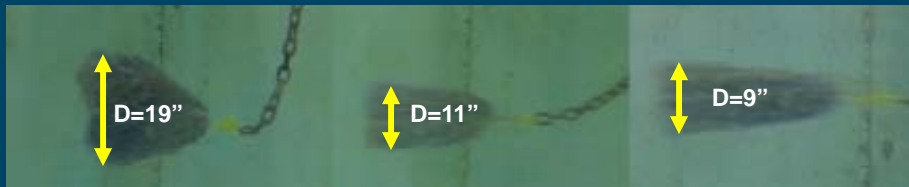
# Movement in Water Top View



0.5 Knots

2 Knots

4 Knots



D=19"

D=11"

D=9"

# Side View



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# CSE Activities



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## WWF/CSE Partnership: on Arctic Transboundary Response

- **April 2016** attended WWF-hosted meeting in Moscow on oil spill response
- **Next meeting: DWH Response: Lessons Learned Moscow – April 2017**
  - 10 U.S. experts to speak on various aspects of DWH
- **CSE-sponsored presentation during IOOSC on Russian oil spill response**
  - Response approach, modelling, impacts



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# Questions???

## Thank you for Listening

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