



Tenth Biennial
OSPR/Chevron Oil Spill Response Technology
Workshop

Estuary & Ocean Science
Center 3152 Paradise Drive
Tiburon, CA 94920

March 28-30, 2023

FINAL AGENDA

[Speaker Abstracts and Bios \(click here\)](#)

Links to presentations and recordings included below!

Questions may be directed to techworkshop2023@wildlife.ca.gov.

Tuesday, March 28, 2023 – LINK TO INDIVIDUAL PRESENTATIONS BELOW (no recording available)

Session 1		
WORKSHOP DAY 1 - AGENCY UPDATES (Federal, Canada, & OSPR)		
Session Chair: Greg McGowan Co-Host: Annie Nelson		
Time (PST)	Topic	Presenter(s), Affiliation
0800	Safety and Agenda Review	OSPR & Chevron
0805	OSPR Welcome	*Amir Sharifi, OSPR Deputy Administrator
0810	Chevron Welcome	Tolly Graves, Richmond Refinery Director
0815	USCG Research and Development Center for Oil Spill Response Research Update	*Alex Balsley, Benedette Adewale, USCG R&D
0835	USCG, Office of Marine Environmental Response Policy Update	Clifton Graham, USCG-MER
0855	Bureau of Safety and Environmental Enforcement (BSEE) Oil Spill Response Research Update	*Karen Stone, BSEE
0915	Ohmsett Overview, Recent Activities, and Future Plans	Tom Coolbaugh, ARA
0935	NOAA Spill Science Update	Aaron Parker, NOAA
15-minute BREAK		
1010	The Multi-Partner Research Initiative: A Scientific Research Network under Canada's Oceans Protection Plan to Support Decision Making in Oil Spill Response	*Ken Lee, DFO-MPRI
1030	OSPR Update	Greg McGowan, OSPR

Session 2		
WORKSHOP DAY 1 - RENEWABLE FUELS		
Session Chair: Ellen Faurot-Daniels Co-Host: Greg McGowan		
Time (PST)	Topic	Presenter(s), Affiliation
1050	Biodiesel and Renewable Diesel – What is it, Where Does it Come From, and How is it Transported?	Joe Korpi, Chevron
1110	Spill Response Considerations for Renewable Fuels	Greg McGowan, OSPR
1130	Analytical Tools for Renewable Fuel Spill Response	*Martice Vasquez, OSPR

LUNCH BREAK (1150-1250)

Session 3		
WORKSHOP DAY 1 - NON-FLOATING OIL (NFO)		
Session Chair: Annie Nelson Co-Host: Ellen Faurot-Daniels		
Time (PST)	Topic	Presenter(s), Affiliation
1250	The Use of Multibeam Water Column Data for NFO Detection and Quantification	Sandy Borthwick, Teichman Group, LLC
1310	Deep River Derelict Barge Sunken Oil Spill Response	Sonja Larson, WA
1330	Oil Spill Assessment Maps of the Central Salish Sea - Marine and Coastal Habitats of Concern - A Tool for Oil Spill Mitigation Applicable to California	H. Gary Greene, SJSU

*Remote speaker

Tuesday, March 28, 2023, Continued

Session 4		
WORKSHOP DAY 1 - MECHANICAL RESPONSE TECHNOLOGY		
Session Chair: Annie Nelson Co-Hosts: Ellen Faurot-Daniels		
Time (PST)	Topic	Presenter(s), Affiliation
1350	Enhancing the Mechanical Recovery of Oil from Marine and Freshwater Environments	Tim Nedwed, ExxonMobil Michel Boufadel, NJ Inst. Tech.
1410	Balaena's New Technology Mitigating Waterborne Debris (link pending)	Brad Rutledge, Balaena, Inc.

15-minute BREAK

Session 5		
WORKSHOP DAY 1 - APPLIED RESPONSE TECHNOLOGIES (ART)		
Session Chair: Ellen Faurot-Daniels Co-Host: Greg McGowan		
Time (PST)	Topic	Presenter(s), Affiliation
1445	Sustainable Open-Cell Polyolefin Sorbent Foams for Oil and Chemical Spills, and Results of Tests Conducted at Ohmsett and in Real World Spills as Endorsed by BP and the API	Scott Smith, ECOAquaFlex
1515	Benefits of Use for Oil-Sensitive Super-Absorbent Polymers	*John Brinkman, Imbibitive Technologies
1535	Filter Modified with a Hydrophilic and Oleophobic Coating for Affordable and Efficient Oil/Seawater Separation (virtual demonstration)	*Hunter Ross, CalPoly Pomona

1600 CLOSING COMMENTS – END OF DAY 1

*Remote speaker

Wednesday, March 29, 2023 – [WATCH RECORDED PRESENTATIONS \(video\)](#)

Session 6 WORKSHOP DAY 2 - REMOTE SENSING, SAMPLING AND GIS		
Session Chair: Maria Hartley Co-Host: Christian Haselwimmer		
Time (PST)	Topic	Presenter(s), Affiliation
0800	Welcome & Agenda Review	Maria Hartley, Chevron
0810	Estimation of Minimum Oil Slick Detection Area using RADARSAT-1/2	Gordon Staples, MDA
0830	SeaCOP: Enhanced Situational Awareness Capacity for Environmental Monitoring, Maritime Security and Navigation Safety	William Hazel, Marine Pollution Control
0855	CDIP: Monitoring and Modeling Waves on the California Coast	James Behrens, Scripps
0915	NWS San Diego Provides Enhanced Weather Support Services for Pipeline Oil Spill Recovery	Alex Tardy & Casey Oswant, NOAA
0935	Update on Pyxis Polarized IR Camera	*David Chenault, Polaris

10-minute BREAK

Time (PST)	Topic	Presenter(s), Affiliation
1005	Slick Sleuth Update: Is it Really an Accident if Event Could've, Should've Been Prevented?	Chris Chase, InterOcean Systems, LLC
1025	Coproducing Operational Drone Solutions for USCG Planning and Response in Alaska	Jessica Garron, U. of Alaska
1045	Marine Monitor (M2): Ocean Conservation Technology	Samantha Cope, Protected Seas
1105	Micro ROVs, a Low Logistics Tool used for First Touch Information Gathering, for Emergency Response & Visual Inspection	David Fraser, Chevron
1125	Utilizing Planet Imagery for Oil Spill Response: Current and Future Monitoring Solutions	Andrea Steffke, PLANET

LUNCH BREAK (1145-1245)

Time (PST)	Topic	Presenter(s), Affiliation
1245	Mapping and Visualization in NOAA's Environmental Response Management Application (v. 5.0)	Ben Shorr, NOAA
1305	Operationalization of UAS System for Oil Spill Response Operations in Arctic Environment	*Oscar Garcia, WaterMapping
1325	Comparing Recent Advance in Estimating and Measuring Oil Slick Thickness	*Nancy Kinner, Coastal Response Research Center
1345	News Alert: Floating Oil Emits Toxic Gases: Can We Remote Sense It? Preliminary Studies at Coal Oil Point	Ira Leifer, Bubbleology
1405	sUAS-borne Oil Spill Detector Using Fluorescence	Benjamin Hart, Michigan Tech Research Institute

10-minute BREAK

*Remote speaker

Wednesday, March 29, 2023, Continued

Session 7		
WORKSHOP DAY 2 - PLANNING/ORGANIZATION TOOLS		
Session Chair: Christian Haselwimmer Co-host: Maria Hartley		
Time (PST)	Topic	Presenter(s), Affiliation
1435	Managing Your PQS (Performance Qualification Standard) Program	*Kenny Rhame, TRG
1455	Identification of Spilled Oil using Alkyl PAH Isomer Ratios from the MV Marathassa (Vancouver, Canada, 2015) – A Case study	Kesavalu Bagawandoss, SGS North America
1525	The Emerging Environmental Co-Risk of Firefighting Foam Applications at Petroleum or Renewable Fuel Release Sites	Robert Moniz, Arcadis
1545	Dashboards	*Nita Barve/Zack Floerke, OSPR

1600 CLOSING COMMENTS – END OF DAY 2

*Remote speaker

Thursday, March 30, 2023 – [WATCH VIRTUAL TOUR, Demos and Displays \(video\)](#)

Field Demonstration Day	WORKSHOP DAY 3 - FIELD DEMONSTRATIONS (lower campus) Session Chair: Christian Haselwimmer Co-host: Maria Hartley
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Marine Monitor (M2) Shore-based Vessel Monitoring Platform

Samantha Cope, Protected Seas

Slick Sleuth

Chris Chase, InterOcean Systems, LLC

Coating for Affordable and Efficient Oil/Seawater Separation Low-cost, High-Sensitivity Sensor Capable of Detecting Floating Oil Through Detection of its Fluorescence

Benjamin Hart, Michigan Tech Research Institute

AquaFlex Open-Cell Foam for Removal of Oil & Chemical Contamination from Water

Scott Smith, ECOAquaFlex

Interactive, Low Logistics, Low Cost Remotely Operated Vehicle

David Fraser, Chevron Technical Center

Balaena Oil Spill Response Skimming System

Brad Rutledge, Balaena, Inc.

Chevron UAS / Polaris Pyxis and Geospatial Tools for Emergency Response

Christian Haselwimmer, Chevron Technical Center

SISTER – Air Quality Measurement

Ira Liefer, Bubbleology

Spill Response “Wearables”

David Salazar, Blackline Safety

HoloLens - Mixed Reality Headset

Jared Amdahl, Chevron

Wildlife Recovery Application

Oiled Wildlife Care Network (OWCN)

Devin Dombrowski

*Remote speaker