



ISCO NEWSLETTER

The Newsletter of the International Spill Response Community
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ISCO & THE ISCO NEWSLETTER

The ISCO Newsletter is published weekly by the International Spill Control Organisation, a not-for-profit organisation supported by members in 45 countries. ISCO has Consultative Status at IMO, Observer Status at IOPC Funds and is dedicated to raising worldwide preparedness and co-operation in response to oil and chemical spills, promoting technical development and professional competency, and to providing a focus for making the knowledge and experience of spill control professionals available to IMO, UNEP, EC and other organisation.

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International news

For more information on the events featured below, click on the banners



OPEC PRODUCERS COMPLY BY 86 PCT TO OIL CUT PLEDGE



February 26 - The Organisation of Petroleum Exporting Countries (OPEC) said the group's members and non-OPEC countries have complied by a record 86 per cent in the first month to the pledges made late last year to prop up oil prices by eradicating a supply glut.

OPEC and non-OPEC members had pledged to curb production by about 1.2 million barrels per day (bpd) from Jan. 1 for a six-month period, the first cut in eight years.

A January report by Joint OPEC-Non-OPEC Technical Committee, the OPEC and Non-OPEC producers achieved a conformity level of 86 per cent, OPEC said in a statement.

"The JMMC (Joint OPEC-Non-OPEC Ministerial Monitoring Committee) noted that there is still room for improvement to reach 100 per cent conformity, and, in this regard, urged all parties to press on towards full and timely conformity, it said. *Pipeline Magazine* [Read more](#)

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The campaign was launched at the Economist World Ocean Summit, which is currently taking place in Bali. Through [#CleanSeas](#), the UN is urging governments around the world to pass plastic reduction policies. So far, ten countries are on board; Indonesia has committed to reducing its ocean litter 70 percent by 2025, Uruguay will begin taxing plastic bags this year, and Costa Rica is working on methods to reduce single-use plastic. *San Francisco Examiner* [Read more](#)

International news (continued)

UNITED NATIONS ANNOUNCES NEW GLOBAL CAMPAIGN TO CLEAR PLASTIC FROM OCEANS



Above: Versova Beach, Mumbai, India. (Photo courtesy UN Environment)

February 23 - The United Nations Environment Program announced Thursday that it would be launching a new effort to clean the world's oceans of plastic pollution. Called the [#CleanSeas](#) campaign, the ambitious program seeks to remove more than eight million tons of plastic leaks into the ocean each year, an amount that's equal to a garbage truck of plastic hitting the sea every minute.

NAVY TURNS TO LOCAL SCIENTIST TO REDUCE OIL SPILL RISK

March 1 - War is generally pretty bad for the environment, and, understandably, the environment is not one of the military's top priorities when at war. But more Navy officials are now asking questions about how to tread a bit more lightly on the environment, and some are getting scientists outside the military involved.

Chris Reddy is one example. He's a marine chemist at Woods Hole Oceanographic Institution who specializes in oil spills, and last year, he got an email from a Navy lieutenant commander asking for his help. "He asked me if I could help him in a large NATO exercise called Cold Response 2016. And I immediately saw the opportunity for an academic to reach out to a Navy personnel who wanted my input," recalls Reddy "The idea to reach out to a Naval officer to talk about oil spills was exciting."

The exercise being planned was a simulation - war game - in which Norway was split in half and the northern half was a NATO ally. As part of the exercise, the NATO forces wanted to sink one of the aggressor's oil tankers to prevent it from refuelling other enemy vessels. "When they were in the planning stages, they started to recognize the economic blowback, and potentially also just the perceptions and relationships that they had with their allies could be huge," said Reddy. "If they spilled the oil in the wrong place it would demolish or completely ruin the aquaculture and the fisheries." *WCAI* [Read more](#)

Incident reports

CARGO SHIP PARTIALLY SINKS OFF ECUADOR

February 27 - Officials in Ecuador are coordinating the environmental response and salvage of the general cargo ship Isla Bartolome, which ran aground and partially sank last Thursday in the main shipping channel from the port of Guayaquil. *gCaptain* [Read more and watch video](#)

Incident reports (continued)

SWEDEN: BULKER GOES AGROUND, SINKS ON GOTA RIVER

February 27 - On Thursday night, the self-unloading bulker Sterno went aground at the upstream entrance to the Lilla Edet locks on Sweden's Gota River, breaching her hull. The vessel took on water, listed over to port and partially sank, releasing fuel into the water and temporarily blocking off traffic. *The Maritime Executive* [Read more](#)

UAE: FUJAIRAH - WATCH: AIS ANIMATION SHOWS TANKER HIT ANCHORED LNG CARRIER 'AL KHATTIYA'

February 28 - An animation of AIS data showing the February 23 collision involving the LNG carrier Al Khattiya off Fujairah has been posted online, clearly showing the LNG carrier was at anchor when it was struck by the bow of the tanker MT Jag Laadki. *gCaptain* [Read more](#)

News reports from around the world (countries listed in alphabetical order)

AUSTRALIA: TAXPAYERS TO PAY FOR OIL SPILL CLEAN-UPS UNDER PETROLEUM RESOURCE RENT TAX

February 24 - Australian taxpayers will be forced to subsidise the clean-up costs of oil spills in the Great Australian Bight thanks to the terms of the controversial petroleum resource rent tax.

Treasury officials have confirmed that oil companies would be able to claim a tax deduction under the PRRT for expenses incurred cleaning up oil spills.

Different "uplift rates" would apply to clean-up costs depending on whether the spills resulted from exploration or production activity. *The Guardian* [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

CANADA: NEW OIL & GAS ENVIRONMENTAL EMERGENCY MEASURES NEEDED FOR CANADA

February 23 - With the impending overhaul of Canada's Environmental Emergency Regulations, the oil and gas industry may be surprised to learn that their obligations under the coming regulations involve additional regulatory measures to be applied to both existing and newly designated substances, many from the oil and gas sector such as:

diesel;	naphtha;	petroleum distillates.
gasoline;	crude oil;	
natural gas condensates;	fuel oil, nos. 2, 4, & 6; and	

In short, much of the industry's products will now be subject to emergency preparedness requirements. The new or enhanced measures include:

- Substance Disclosures
- Environmental Emergency Plans
- Public Notifications
- Periodic Reporting

Lexology [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

INDIA: NMPT, MRPL CONDUCT OIL SPILL MOCK DRILL

March 1 - New Mangalore Port Trust (NMPT) and Mangalore Refinery and Petrochemicals Ltd (MRPL) conducted a mock drill on oil spill at latter's SPM (Single Point Mooring) facility. A press release said here on Wednesday that scenario for the drill was pipeline leakage from SPM. Around 500 metres of inflatable booms were laid out encircling the SPM. Disk type skimmer, which is normally used to skim oil from water, was also used for the mock drill. Representatives from NMPT, MRPL, district disaster management cell, Indian Coast Guard, and Indian Oil Corporation Ltd were part of the mock drill, it said. *The Hindu* [Read more](#)

MICRONESIA: FIRST RESPONDERS PARTICIPATE IN SIMULATED HAZARDOUS-CHEMICAL SPILL

February 28 - CNMI emergency first responders participated in a simulated hazardous chemical spill at the Capital Hill fire station on Friday. The event was part of a six-day hazmat chemical safety and decontamination training that started on Feb. 22, 2017. *Marianas Variety* [Read more](#)

News reports from around the world (continued)

NEW ZEALAND: UP TO 60 ATTENDING MARINE OIL SPILL EXERCISE AT WHITIANGA

March 2 - Up to 60 staff from various agencies will be taking part in next week's big marine oil spill exercise at Whitianga's Mercury Bay being organised by Waikato Regional Council.

More than half of those taking part in exercise "Mercury Rising" will be Waikato Regional Council staff, with others participants being staff from the Department of Conservation, Maritime NZ, the Bay of Plenty and Taranaki regional councils, and iwi representatives

The exercise will be held on 8 and 9 March. *Scoop.co.nz* [Read more](#)

NIGERIA: TROOPS SMASH ILLEGAL REFINERIES, DESTROY 1,750 TONS OF CRUDE OIL IN NILE DELTA

February 25 - Operatives of the Operation Delta Safe (OPDS) in the Niger Delta said they have destroyed 1,750 tons of crude oil and impounded 170 tons of illegally refined diesel.

Coordinator, Joint Media Campaign Centre, Major Abubakar Abdullahi, disclosed this in a signed statement made available to journalists on Saturday in Warri, Delta Delta.

The raids on illegal refineries, he said, were carried out on Friday by operatives of the Nigerian Navy Ship (NNS DELTA) and Sector 3, Nigerian Army in parts of Delta and Rivers states.

Tribune Online [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

PERU: IRRESPONSIBILITY IN THE RESPONSE TO PERU'S OIL SPILL

February 15 - After an inspection carried out on February 3 over an oil spill occurred in November in the region of San Pedro del Marañon, 15 km from the North Peruvian Oil Pipeline, local authorities and more than 20 environmental monitors have declared PetroPeru's negligence in the event.

Authorities stated they verified the company's slow and insufficient Contingency Plan to deal with the spill, where clean measures and emergency protocol to care for the community had severe shortcomings. Nearly three months after the fact, collection efforts are still underway, understaffed and using questionable mechanisms in terms of speed and efficiency (collection by hand, with sticks, small containers, etc.)

They also recall that the current spill was attended 15 days after the community denounced the fact; without regard to the two-month abandonment of the oil spill, "Petroperu did not prioritize a more efficient and faster reaction plan, which coincided with the rain season," they add. *Energia 16* [Read more](#)

USA: JOINT ARCTIC SPILL RESPONSE TRAINING BRINGS AGENCIES TOGETHER

February 22 - Oil spills can often result in both immediate and long-term environmental damage. During the week of Feb. 13 to 17, members of the 611th Civil Engineer Squadron, U.S. Navy Supervisor of Salvage, U.S. Coast Guard, Alaska Department of Environmental Conservation, and the U.S. Environmental Protection Agency all participated in an annual arctic response training exercise at Joint Base Elmendorf-Richardson, Alaska, Feb. 13 to 17.

The training involved learning oil-spill response techniques during arctic conditions, through the application of hands-on equipment mobilization, deployment, and demobilization. *Joint Base Elmendorf-Richardson* [Read more](#)

USA: HM-251D ANPRM – VOLATILITY OF UNREFINED PETROLEUM PRODUCTS AND CLASS 3 MATERIALS

March 1 - PHMSA received a petition for rulemaking on December 1, 2015 (P-1669) from the New York State Office of the Attorney General proposing to add paragraph (a)(6) to §174.310 requiring all crude oil transported by rail to have a Reid vapor pressure (RVP) of less than 9.0 pounds per square inch (psi).

The petition is based on the premise that limiting the product's vapor pressure will reduce the risk of death or damage from fire or explosion in the event of an accident (for example, North Dakota Industrial Commission, NDIC, implemented a maximum vapor pressure threshold of 13.7 psi VPCR_x Reid equivalent). Therefore, PHMSA is asking a series of questions in the ANPRM seeking input as to whether there should be national vapor pressure thresholds for petroleum products and/or other Class 3 hazardous materials, and if so what those thresholds should be.

The ANPRM was published in the Federal Register on January 18, 2017.

Comments are due by March 20, 2017. [Thanks to PCJR of Hazmat101 Group]

People in the news

UK: KIT TENNANT IS CRISIS MANAGEMENT ADVISER AT BP NORTH SEA



February 14 – Kit Tennant has been appointed as the Crisis Management Adviser and Emergency Response Manager at BP North Sea with responsibility for ensuring the Crisis and Emergency Response capability of BP North Sea meets regulatory and internal standards. Kit has returned to Scotland after a two year spell in Perth, Australia in a similar position with BP GWO New Ventures.

Source: *Linked-in*

USA: JEFF HEIMERMANN COMPLETES 20 YEARS OF PRODUCING EPA'S TECH DIRECT NEWSLETTER



His colleague, Jean Balent writes "Please join me in thanking Jeff Heimerman for his dedicated authoring of the newsletter for 20 years. As so many of you expressed in your comments, this monthly collection of technical webinars, publications and websites serves as an invaluable stream of information". [A link to download the current issue of Tech Direct is provided in every issue of the ISCO Newsletter]

Jeffrey Heimerman has been Director at EPA Technology Innovation & Field Services Division since 1987.

ISCO news

TIMELY PAYMENT OF MEMBERSHIP RENEWAL FEES

ISCO is grateful that most members pay their annual dues on time but unfortunately there are exceptions.

All members are reminded that membership fees should be paid annually in advance on the date of the anniversary of the date on which you first joined the organization.

Currently, our Membership Director Mary Ann Dalglish is spending a considerable amount of time in chasing up overdue subscriptions. This task is made even more difficult in cases where invoices and reminders get bounced because contact details are no longer valid. If you have not received an invoice or payment reminder please contact Mary Ann at mrydetroit@aol.com without delay.

If you do not keep your subscription up-to-date and ignore reminders it will be assumed that you are no longer interested or involved in the spill control community. In such cases you will be removed from the roll of members and -

- Your subscription to the ISCO newsletter will be cancelled
- You will not be advised of emergency requirements for spill response support services, equipment and materials.
- Your access to the members' area of the ISCO website will be disabled
- Your directory listing with hyperlink to your company website will be deleted.
- You will not be accorded any priority in newsletter editorial content concerning new products, services, and company news.
- You will lose your right to display the ISCO logo on your stationary and promotional materials
- You will no longer be eligible for discounts negotiated by ISCO on behalf of its members
- Professional members will be de-listed and will lose the right to use initials denoting professional membership of ISCO

You will be right if you conclude that ISCO is getting tough on members who persistently fail to pay their dues. We take the view that non-paying members are being subsidised by those that pay their dues on time – and this is not fair.

INDIVIDUAL MEMBERSHIP OF ISCO

Individual Membership, costing only £75 per annum, is available for individuals who don't want to seek Professional Membership of the organization.

Going for this option is the best choice if all you want is the weekly newsletter and access to all the technical and reference information in the Members' Area of the website. It's a great option if you work for a government agency or authority where it isn't easy to get your employer to cover your membership cost.

Where else can you get so much for so little and in most countries it's even tax-deductible.

An even better answer is to persuade your employer to join ISCO. That way, you and all of your colleagues can get all the benefits under your employer's membership of the organization. Membership of ISCO is available for companies, government agencies, research establishments, port authorities, and many other organizations – see <http://www.spillcontrol.org/2013-02-05-10-50-47/who-can-join> You can apply to join online – Visit <http://spillcontrol.org/2013-02-05-10-50-47/membership-application>

RISING TO THE CHALLENGE: THE OUTCOMES OF THE IPIECA-IOGP OIL SPILL RESPONSE JOINT INDUSTRY PROJECT 2011 – 2016



About the author – Peter Taylor is the Principal Consultant at Petronia Consulting Limited. He has a degree in biological sciences and he spent six years in environmental research and consultancy, prior to specializing in oil spill preparedness and response activities for the past 30 years.

He has been supporting IPIECA's promotion of effective oil spill contingency planning around the world since 1998. Through IPIECA, he has managed the Oil Spill Preparedness Regional Initiative (Caspian Sea – Black Sea – Central Eurasia), known as OSPRI, since its inception in 2003 to the present. He undertook several activities under the OSR-JIP, including support to the on-going development of a novel NEBA methodology.

Part 5 – A Novel Methodology for NEBA: Spill Impact Mitigation Assessment (SIMA)

A key objective for any oil spill response is to minimize the impacts to ecological, socio-economic and cultural resources at risk. To that end, the contingency planners and incident managers have traditionally utilized a formal or informal Net Environmental Benefit Analysis (NEBA) for selecting the most appropriate response option(s) to minimize spill impacts and promote recovery. The processes used to conduct a NEBA have varied considerably between industry operators, though the outcomes in terms of strategy development have been similar. This variation in NEBA approaches can lead to challenges with communicating the underlying basis of response strategies to stakeholders. Through the JIP, a Good Practice Guide (GPG) was produced in 2015 to explain the general principles of the NEBA process and facilitate stakeholder involvement. This GPG, titled *Response strategy development using net environmental benefit analysis (NEBA)*, may be accessed at:

http://www.oilspillresponseproject.org/wp-content/uploads/2017/01/NEBA_2016-2.pdf. An explanatory PowerPoint® presentation and a short, animated video concerning NEBA were also produced by the JIP; both are available at: <http://www.oilspillresponseproject.org/strategy/net-environmental-benefit-analysis/>.

However, with industry's increasing reliance on NEBA to enhance the transparency of response strategy development, a consistent methodology for conducting formal NEBAs was required.

In response to this, key industry Associations (API, IOGP and IPIECA) initiated a collaborative project, aligned within and supported by the JIP, on developing a qualitative NEBA methodology that can be utilized if other, fit-for-purpose NEBA methodologies are not applicable or available. Industry has also begun transitioning to a more representative term for the NEBA process which is 'Spill Impact Mitigation Assessment (SIMA)'. Therefore,

the SIMA term is used henceforth but it is important to note that the method described herein is not exclusive to the SIMA term and, as with NEBA, only represents one of many approaches that can be utilized to conduct a SIMA.

This qualitative methodology is designed to give a consistent approach to larger or higher consequence oil spill scenarios, where multiple spill response options are being considered and a formal SIMA is warranted. Several industry spill response specialists participated in this project, resulting in the drafting of *Guidance on Implementing Spill Impact Mitigation Assessment*.

The SIMA guidance document consists of several components including:

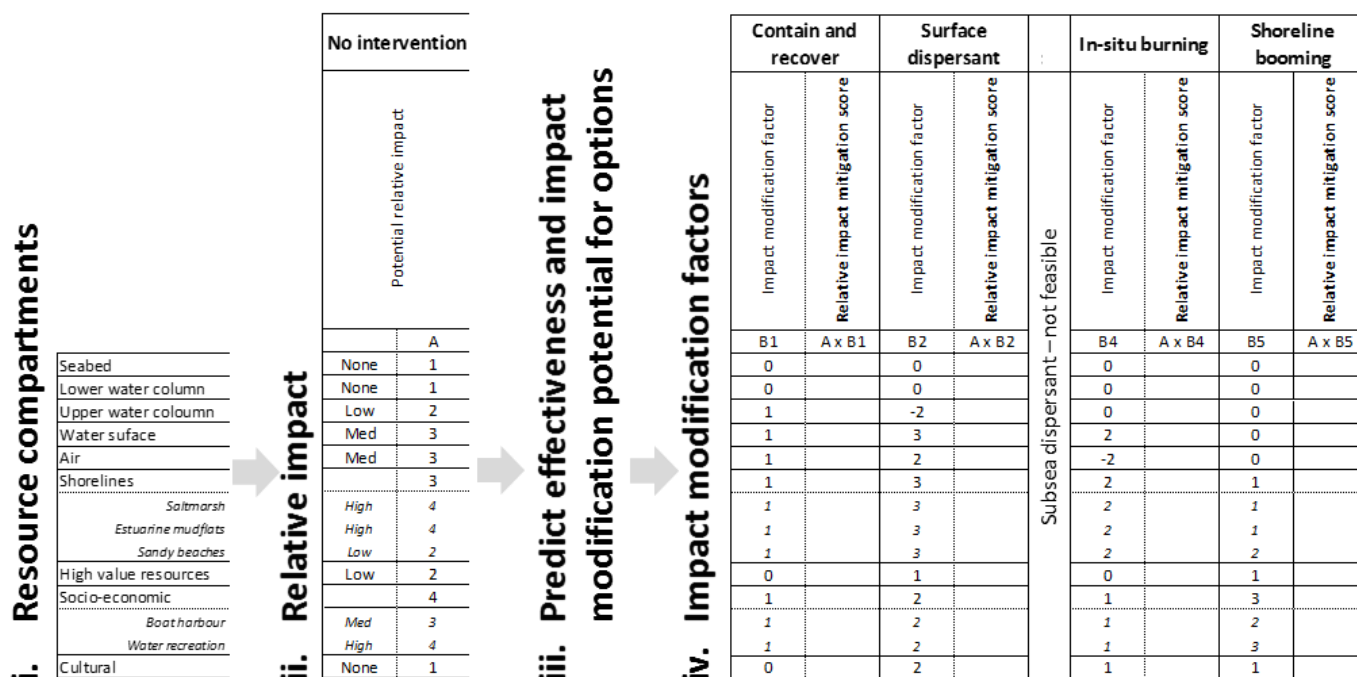
- Use of SIMA in pre-spill planning and spill response
- The SIMA four stage process:
 - Compile and evaluate data
 - Predict outcomes/impacts
 - Balance trade-offs
 - Select best response option(s)



Special feature (continued)

- Guidance on assessing relative impact levels and modification factors associated with each response option
- Example applications of the SIMA methodology

These components are described, including a novel methodology that focuses on the 'predict outcomes' and 'balance trade-offs' stages. At the heart of this methodology is a comparative matrix, which considers the potential impacts of selected scenario(s) on key ecological, socio-economic and cultural resources, alongside the potential for each feasible response option to mitigate (or exacerbate) the spill's impact on each of the key resources. The total impact mitigation potential is derived for each response option, allowing informed and transparent decision-making. The SIMA process identifies the response option(s) that will best mitigate the overall impacts of an oil spill.



Resource compartments	No intervention	Contain and recover		Surface dispersant		In-situ burning		Shoreline booming	
	Potential relative impact	Impact modification factor	Relative impact mitigation score	Impact modification factor	Relative impact mitigation score	Impact modification factor	Relative impact mitigation score	Impact modification factor	Relative impact mitigation score
	A	B1	A x B1	B2	A x B2	B4	A x B4	B5	A x B5
Seabed	None	1	0	0	0	0	0	0	0
Lower water column	None	1	0	0	0	0	0	0	0
Upper water column	Low	2	1	2	-2	0	0	0	0
Water surface	Med	3	1	3	3	2	6	0	0
Air	Med	3	1	3	2	-2	-6	0	0
Shorelines	3	1	3	3	9	2	6	1	3
Saltmarsh	High	4	1	3		2	6	1	3
Estuarine mudflats	High	4	1	3		2	6	1	3
Sandy beaches	Low	2	1	3		2	6	1	3
High value resources	Low	2	0	0	1	0	0	1	2
Socio-economic	4	1	4	2	8	1	4	3	12
Boat harbour	Med	3	1	2		1	3	2	6
Water recreation	High	4	1	2		1	4	3	12
Cultural	None	1	0	0	2	1	1	1	1

Special feature (continued)

The preceding figure is an overview of Predict Outcomes (i to iii) and Balance Trade-offs (iv to v) stages used to generate a SIMA comparative matrix, in this case for an offshore surface release of crude oil; hence subsea dispersant is not a feasible response option. A ranking of response options' mitigation potential is the key output from the matrix, forming a fundamental piece of response strategy development.

The methodology was tested at a half-day workshop held in Tampa, Florida during November 2016. The 20 participants at this workshop included representatives from USA resource trustees, agencies and the oil industry. The outcome of the test was broad acceptance that the method was useful and aligned to current NEBA practice. Minor modifications were made to the process in the light of comments received. Similar efforts are planned to obtain feedback on the method from relevant international stakeholders to better ensure global acceptance, prior to publication of the *Guidance on Implementing Spill Impact Mitigation Assessment*, scheduled for later in 2017.

To be continued

Workshop report

USA: NEW ORLEANS WORKSHOP REPORT - EXPLORING THE INTERSECTION BETWEEN OIL SPILL SCIENCE AND RESPONSE

February 24 - On February 6, 2017, the Sea Grant Oil Spill Outreach Team hosted this workshop in conjunction with the 2017 Gulf of Mexico Oil Spill & Ecosystem Science Conference in New Orleans, LA. The workshop focused on bringing local oil spill scientists and emergency responders together to communicate their needs and form partnerships with one another. View the full workshop agenda [here](#).



Monica Wilson introduces USCG Lt. Ryan Dickson at the New Orleans workshop.

Introduction to the Oil Spill Science Outreach Program

[Monica Wilson](#) is Florida Sea Grant's oil spill research extension specialist. She facilitated the workshop and explained the Sea Grant-GoMRI oil spill science outreach program. View video [here](#).

How does science inform response?

[Dave Westerholm](#) is a Senior Executive with NOAA and serves as the Director of the Office of Response and Restoration. He manages an Emergency Response Program which includes Scientific Support to oil and chemical spills. He oversees NOAA's Disaster Response Center and his Damage Assessment and Restoration Program is responsible for assessing damage under the Clean Water Act, CERCLA, and Oil Pollution Act. Dave explained the government's response process and how the latest scientific research is introduced within that framework. View video [here](#).

NOAA's SSC's role in oil spill response

[Paige Doelling](#) is a NOAA Scientific Support Coordinator (SSC) for USCG District 8. She has been the NOAA SSC for coastal Louisiana and Texas since late 2013, serving as the principal scientific advisor to the Coast Guard for oil and hazmat spill response and planning in the coastal zone. Paige shared the responsibilities of the SSCs and the Scientific Support Team during an oil spill. She also shared training opportunities for those interested in learning more about response. View video [here](#).

Workshop report (continued)

Science and Response

Commander Kelly Denning and **Lieutenant Ryan Dickson** from the U.S. Coast Guard (USCG) Sector New Orleans explained the Coast Guard's roles and responsibilities in oil spill response. They spoke about the organization of the Incident Command system and how that command system is utilized during an oil spill. View Denning's video [here](#). View Dickson's video [here](#).



USCG Commander Kelly Denning explains Coast Guard spill response protocols.

An industry perspective on offshore oil spill response

Tim Nedwed of ExxonMobil spoke about the industry's perspective on research. He talked about the basic tools used during an offshore oil spill response, emphasizing that speed is the key to effectively combatting an oil spill. He also shared some of the challenges of integrating academic research and oil industry research and how collaboration between these two entities is key to turning research into commercial technology. View video [here](#).

Marsh health from before the BP oil spill to 2016

Dr. Eugene Turner from Louisiana State University shared his latest oil spill research on Louisiana salt marshes. He spoke about the impacts the oil had to the marshes of Louisiana and the land loss that the Louisiana coastline has experienced. He also shared some of the knowledge that scientist have gained from studying marshes during and after the Deepwater Horizon. View video [here](#).

Responding to oil spills means understanding what oil is, what it does when spilled, and what to do and not to do during response

Dr. Ed Overton is an Emeritus Professor at Louisiana State University. Dr. Overton spoke about oil as a natural product, its structure, and chemical components. He reviewed the mechanisms that cause environmental impacts from oil spills. These include toxicity and route of exposure, smothering and coating, as well as oxygen depletion. He also explained what happens to oil when it is spilled into the water and the weathering processes it undergoes once it's in the environment. View video [here](#).

There were two Question and Answer (Q&A) sessions held after Commander Denning and Lt. Dickson's presentation and after Dr. Overton's presentation. Those in attendance asked the speakers questions about response as well as how researchers can begin to get more involved and how their science can be incorporated into response plans. The first Q&A session can be viewed [here](#) and the second [here](#).



Tim Nedwed, Eugene Turner, and Ed Overton take questions from the room.

Workshop report (continued)

After the speakers, the Oil Spill Outreach Team broke the audience into four groups to conduct an input session. Group members were asked specific questions about research and response collaborations and how those can be improved for future spills. The groups provided potential solutions to these challenges.



Sea Grant oil spill science specialist Larissa Graham facilitates a breakout input session.

Questions? Please contact Monica Wilson with UF/IFAS Sea Grant monicawilson447@ufl.edu (727) 553-3516. If you would like to learn more about upcoming seminars, please visit the [presentations webpage](#) or sign up for [oil spill science updates emails](#)

Links for recent issues of other publications (in alphabetical order)

AMSA Aboard	News from the Australian Maritime Safety Authority	December 2016
ASME EED EHS Newsletter	News and commentary on HSE issues from George Holliday	Most recent issue
Bow Wave	Sam Ignarski's Ezine on Marine & Transport Matters	Current issue
Cedre Newsletter	News from Cedre in Brittany, France	January 2017
CROIERG Enews	Canberra & Regions Oil Industry Emergency Response Group	Current issue
EMSA Newsletter	News from the European Maritime Safety Agency	February 2017 issue
Environmental Technology Online	Environmental Monitoring, Testing & Analysis	December 2016 issue
IMO News Magazine	News from the International Maritime Organization	No 4, 2016
IMO Publishing News	New and forthcoming IMO publications	February 2017
Intertanko Weekly News	International news for the oil tanker community	March 3, 2017
JOIFF "The Catalyst"	Int'l Organisation for Industrial Hazard Management	January 2017 issue
MOIG Newsletter	News from the Mediterranean Oil Industry Group	January 2017 issue
NOWPAP Quarterly	News from the North West Pacific Action Plan	Quarter 1, 2016 issue
Ocean Orbit	Newsletter from the International Tanker Owners Pollution Federation	May 2016
OCIMF Newsletter	News from the Oil Companies International Marine Forum	February 2017 issue
Pollution Online Newsletter	News for prevention & control professionals	February 22 2017
Safe Seas, Clean Seas	Quarterly Newsletter from Maritime New Zealand	December 2016 issue
Sea Alarm Foundation Newsletter	Oiled wildlife Preparedness and Response news from Sea Alarm	Autumn 2015 issue
Technology Innovation News Survey	News from US EPA – Contaminated Site Decontamination	December 1-15, 2016
Transport Canada Newsletter	News and articles re transport of dangerous goods in Canada	December 2016 issue
USA EPA Tech Direct	Remediation of contaminated soil and groundwater	March 1, 2017
USA EPA Tech News & Trends	Contaminated site clean-up information	Spring 2016 issue
WMU Newsletter	News from the World Maritime University	December 2016 issue

Your editor depends on regular receipt of updated links for listed publications. If these are not received, relevant entries may be discontinued

Events

USA: TECHNICAL DEMONSTRATIONS DURING IOSC

Join us on Wednesday, May 17, 2017 from 12:00 P.M. to 4:30 P.M. for the IOSC's Technical Demonstration: the Evolution of Oil Spill Response. This demonstration will take place on the Promenade of the Long Beach Convention Center.

Learn how new and existing technology has been configured to increase the effectiveness of a response. Network as you join other attendees in discovering how this response system can improve detection and tracking and increase encounter and recovery rates. The demonstrations are a must see, so don't miss out!

Attendees may either sign up for a narrated, 75-minute station tour, take a self-guided tour, or visit individual stations in the open session. Sign-ups for the 75-minute station tour can be made via the IOSC online event registration (limited spots available). [Click here](#) for more information regarding the Technical Demonstrations.

Upcoming events summary

COUNTRY	2017	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
UK	Jan 16 – July 7	IMO Exhibition – 50 Years Gov't & Industry Co-op'n	London
UK	March 7	UK Spill Annual Members' Meeting and Dinner	London
TUNISIA	March 14-15	Oil Spill Preparedness Workshop with OSRL	Tunis
USA	March 28-30	2017 SCAA Annual Meeting & Conference	Washington DC
CYPRUS	April 6-7	East Med Marine and Oil & Gas Exhibition	Limassol
UAE	April 10-12	RECSO EnviroSpill 2017	Abu Dhabi
UK	April 24-28	April 2017 IOPC Funds Meetings	London
SINGAPORE	April 25-28	10th Intl Chemical and Oil Pollution (ICOPCE)	Singapore
UK & IRELAND	April 26-27	ISAA Spill Response Training Days, N. Ireland	Enniskillen
UAE	May 9-10	Offshore Arabia Conference & Exhibition	Dubai
USA	May 15-18	International Oil Spill Conference	Long Beach CA
USA	May 16	ISCO-BIMCO Presentation & Reception	Long Beach CA
USA	May 17	ISCO AGM	Long Beach CA
BELGIUM	June 7-8	European Environmental Ports Conference 2017	Antwerp
UK	June 20-21	Wreck Removal Contracts & Operations Seminar	London
USA	June 27-28	Clean Waterways	Louisville KY
UK	July 3-7	IMO Marine Environment Protection Committee	London
CHINA	July 14	6th NOWPAP DELTA Exercise	Weihai
UK	Sept. 5-8	SPE Offshore Europe	Aberdeen
UAE	Nov. 13-16	Abu Dhabi Int'l Petroleum Exhibition & Conference	Abu Dhabi
USA	Dec. 5-7	Clean Gulf Conference and Exhibition	Houston, TX
2018			
UK	March 13-15	2018 INTERSPILL Conference and Exhibition	London
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

Company news

ISCO CORPORATE MEMBER DESMI EXPANDS BUSINESS IN INDIA



February 22 - In order to strengthen our presence in India DESMI has established a new 3,000 sqm production facility in Hyderabad. First focus for the production plant will be to produce oil spill response equipment. Second and last focus will be to assemble pumps and pumping solutions locally in India. DESMI has had a liaison office situated locally in India since 2013 and today the organization consists of 12 people servicing our local customers from our office in Hyderabad.

Group CEO Henrik Sørensen says "India as a very interesting and promising market. We expect the stable political environment with focus on growing the economy, improving infrastructure, and Make in India, to mention some, to give us even more business opportunities in future." As of today the team will move into the new premises which include a 1,000 sq.m. administration building and a 3,000 sq.m. production facility. From here the first production of a booms for oil spill response will be made and the expectation is to produce in excess of 20,000 meter of booms per year consisting of both rubber boom as well as PU booms including other equipment for oil spill response *The Maritime Executive* [Read more](#)

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