

## ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization 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 Intergovernmental, Governmental, NGO's and interested groups and individuals

ISCO holds consultative status at the International Maritime Organisation and observer Status at International Oil Pollution Compensation Funds

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## INTERNATIONAL NEWS

CLICK ON THE BANNERS BELOW FOR MORE INFO ON THE EVENTS FEATURED



## GESAMP - CELEBRATING FIFTY YEARS OF SERVICE IN OCEAN SCIENCE

September 12 - When developing policies or strategies affecting the ocean, the United Nations system needs to base its work on a solid, scientific foundation. That is provided by GESAMP, a unique independent body administered by IMO and which, this week, is celebrating its 50th anniversary.

GESAMP is the Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection. It is the independent body of experts that advises the United Nations system on both on-going and newly arising marine environmental scientific issues.

It's 50th anniversary was celebrated at the UN Headquarters in New York (10 September) at an event co-hosted by the UN Division of Ocean Affairs and the Law of the Sea and the UN Development Programme. The event highlighted GESAMP's past achievements, its current work and explored possibilities for its future contributions.

For a fascinating insight into the history and achievements of this vital yet often unsung body, visit the GESAMP [website](http://www.imo.org/EN/Pages/Default.aspx). IMO / [www.imo.org/EN/Pages/Default.aspx](http://www.imo.org/EN/Pages/Default.aspx)

## IMO OPEN HOUSE LONDON WEEKEND 21-22 SEPTEMBER 2019



IMO will be opening its Headquarters to the public within the framework of the annual Open House London weekend initiative.

This exciting event will take place on Saturday 21 and Sunday 22 September 2019 from 10:30am to 4pm, and it will give the public a rare opportunity to visit our building and learn about the role and importance of IMO. [More info](#)

## MEMBERSHIP OF ISCO

[Benefits of Membership](#)

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### ADVANCE YOUR CAREER BY GAINING PROFESSIONAL RECOGNITION.

Professional recognition is a visible mark of quality, competence and commitment, and can give you a significant advantage in today's competitive environment.

All who have the relevant qualifications and the required level of experience can apply for Professional Membership of ISCO.

The organization offers independent validation and integrity. Each grade of membership reflects an individual's professional training, experience and qualifications.

You can apply for Student Membership, Associate Membership (AMISCO), MEMBERSHIP (MISCO) or FELLOWSHIP (FISCO)

[About Professional Membership](#)

[Application Form \(Professional Membership\)](#)

### TO RECEIVE THE FREE ISCO NEWSLETTER

Go to [www.spillcontrol.org](http://www.spillcontrol.org) and enter your name and email address in the Registration Form (located on the right-hand side of the home page) then click on "subscribe"

## INTERNATIONAL NEWS (CONTINUED)

# EMSA MAKES DATA ON MARINE CASUALTIES AND INCIDENTS PUBLIC

September 9 - Data from the European Marine Casualty Information Platform (EMCIP) is now available for online consultation by all. The EMCIP database which stores and analyses information on marine casualties and incidents has been up and running since 2011 and contains a wealth of valuable information.

Until now, however, its access had been restricted to member state and European Commission users. In agreement with these users, EMSA has released a new version of EMCIP with data sharing capabilities. While the dashboard provides aggregated figures for occurrences reported by member states within the scope of Directive 2009/18, the occurrence tab shows the list of accidents together with completed investigations. Filtering options are also available to refine the search.

The overall aim of this move is to bring greater awareness to marine casualties and incidents - to why they occurred, the safety measures taken and to the subsequent recommendations resulting from the investigations. EMSA Newsletter / [Read more](#)

## HAZRUNOFF PROJECT CO-ORDINATION MEETING

September 10 - From 18th to 20th June 2019, two engineers from Cedre, involved in the European project HazRunoff, attended the fourth project coordination meeting and subsequent workshop.

This session, held in Cardiff (Wales), was organised by the project partners at Public Health England's Centre for Radiation, Chemical and Environmental Hazard (CRCE). Within the framework of this project, CRCE is in charge of the risks analysis component and of developing a situational awareness and emergency response tool for use in the event of a spill of one or more substances, notably during flooding. This tool is based on the analysis of key parameters which are indicators of such contamination.

The workshop was the opportunity to present the initial project results, in particular the modelling of the Severn River estuary, integrating both river and coastal models. External partners also presented their tools, in particular Natural Resources Wales which outlined the organisation in place and tools developed for flood forecasting and alert management. In the wake of this meeting, the 4th HazRunoff project newsletter was released. CEDRE / [Read more](#)

## TRANSBOUNDARY OIL SPILL LIABILITY AND COMPENSATION WORKSHOP, PORTLAND, MAINE, UNITED STATES



September 12 – From IOPC Funds- The Head of External Relations and Conference Department, Thomas Liebert, participated in a transboundary oil spill liability and compensation workshop, hosted by the US Coast Guard, from 10–12 September 2019 in Portland, Maine, United States (U.S.).

The workshop saw the participation of national and international stakeholders involved in oil spill response and compensation, namely the U.S. and Canada Coast Guards, Transport Canada, the National Pollution Funds Center (NPFC) and the Ship-source Oil Pollution Fund (SOPF), together with the IOPC Funds, the International Group of P&I Associations (IGP&I) and ITOPF. It was a follow-up to a first workshop on the same subject, organised in 2017 and part of the ongoing cooperation between the U.S. and Canada on preparedness and response to marine oil spills. IOPC Funds / [Read more](#)



Your editor does his best to monitor a limited number of websites for news (in English language) of interest to the international spill response community but does not have the resources to monitor multiple social media platforms. The message is “If you have news you would like to share with readers of the ISCO Newsletter in over 60 countries (probably including your own country), you should send it by email to the editor [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org)

### AUSTRALIA: DOT PARTNERS WITH SHELL TO STAGE OIL SPILL RESPONSE EXERCISE

September 9 – Western Australia - The State’s readiness to respond to a large-scale oil spill off the coast will be further enhanced next week as the Department of Transport (DoT) partners with Shell to stage a response exercise.

Shell’s Prelude Floating Liquefied Natural Gas (FLNG) facility off the Broome coast will provide the scenario for Exercise Browse Challenge - a cross jurisdiction oil spill incident which aims to build relationships with industry and Commonwealth authorities to benefit a real-life response effort by the State.

DoT Maritime Deputy General Manager Ray Buchholz said the exercise would test current processes to ensure a well-coordinated and effective response to an incident – particularly the arrangements for dealing with a large-scale spill by a private operator impacting State and Commonwealth jurisdictions.

“The two-day exercise commencing September 17, 2019, will build on the learnings of a similar event in 2017 which provided participants with a realistic response scenario to an incident off the Ningaloo coast.” Transport WA / [Read more](#)

### CANADA: THE TALE OF DIRTY, OLD, LEAKY ZALINSKI



*Photo: Built in 1919, the Brigadier General M. G. Zalinski transported cargo for the United States military until it sank one year after the end of the Second World War.*

September 10 - A Second World War-era shipwreck is a haunting reminder that you can never fully clean up an oil spill.

*This interesting and highly readable article by Larry Pynn recounts the sinking of the vessel which was loaded with munitions and up to 700 tons of bunker C, efforts to limit leakage and subsequent and continuing efforts over the years to remove the oil; other historic spills, sunken vessels, changing public attitudes, technological developments, future spill risks and forward plans to map sunken vessels.*

“The Zalinski’s enduring message is that coastal shipping of oil is fraught with unexpected risks and challenges that can extend for generations”.

Read Larry Pynn’s article at <https://www.hakaimagazine.com/features/the-tale-of-dirty-old-leaky-zalinski/>

### CANADA: NEW RESEARCH LED BY MEMORIAL THAT FOCUSES ON TECHNIQUES AND TECHNOLOGIES TO AID IN OIL SPILL RESPONSE IN CANADA.

September 10 – More detailed information about the new government investment reported in last week’s ISCO Newsletter.

“Six new projects, funded under Fisheries and Oceans Canada’s Multi-Partner Research Initiative (MPRI), aim to ensure Canadians have access to the best scientific information and methods available to respond to oil spills by supporting collaborative research among oil spill experts both in Canada and worldwide” Memorial University Gazette / [Read more](#)

### DENMARK & GERMANY: EMSA RPAS GIVE REAL TIME SUPPORT DURING OIL SPILL RESPONSE EXERCISES



September 9 - EMSA successfully participated in Oil Pollution Response (OPR) exercises in Denmark and Germany, supporting authorities with live feed footage from lightweight Remotely Piloted Aircraft Systems (RPAS).

The Rostock exercise in Germany on 15 August provided search and rescue and oil spill response support. Flying from on board a ship, the RPAS was able to detect a simulated spill (using popcorn) and to locate a man overboard through its optical and infrared sensor.

The BALEX DELTA exercise on 27-29 August in Rønne, Denmark, included an open ship and equipment showcasing event.

During the exercise, the RPAS was operated from shore, with a flight demonstration over Rønne Harbour to show the aircraft’s capabilities as a support tool for OPR.

The lightweight RPAS used in both exercises was the Indago vertical take-off and landing model. It is particularly suited to provide support during operations in areas of pollution response, safety and maritime surveillance. EMSA Newsletter / [Read more](#)

**FRANCE: CEDRE ACTIVITY REPORT FOR JULY & AUGUST 2019**

September 9 - Cedre was contacted by the Loiret fire brigade following a collision between 2 lorries, one of which was transporting gas. At the request of the Saint Pierre and Miquelon authorities (DTAM), we requested that Météo-France run the MOTHY drift forecast model following a leak from the Hibernia platform (Newfoundland). The Côtes-d'Armor DDTM (Departmental Directorate for Territories and the Sea) contacted us for technical advice following the sinking of the trawler Rose de Jericho near Paimpol. We received enquiries in relation to two fires: first from the Côte-d'Or defence and civil protection service (SIDPC) in connection with fish mortality and the second from the Conflans-SainteHonorine river brigade (Yvelines) who enquired about the consequences of a wastewater treatment plant operating in degraded mode and the possibility of conducting tests to identify traces of contamination in dead fish. Finally, strandings and observations of small quantities of substances were reported to Cedre by several organisations (MRCC, fire brigade, local councils, etc.), which requested a photograph-based analysis and/or testing of the products in question. In terms of exercises, we were called upon by the European Maritime Safety Agency (EMSA) through the MAR-ICE network. Cedre worked at length on an incident involving several chemicals to fine-tune a scenario for an exercise to be launched in October. Meanwhile, our Slovak colleagues contacted us as part of an ICE exercise. CEDRE / [Read more](#)

**GABON: REVISION OF THE SGEPP GABON OIL SPILL CONTINGENCY PLAN**

September 9 - To reinforce its preparedness to handle potential spills related to its oil storage activities, SGEPP (Société Gabonaise Entreposage Produits Pétroliers du Gabon) commissioned Cedre to revise its Oil Spill Contingency Plan for its Owendo storage facility as well as to provide site-specific recommendations for spill response equipment procurement. Two engineers from Cedre were in Libreville from 14th to 18th July. The aim of this field mission was to complete the collection of all the relevant documents required to analyse the site situation, to discuss on-site experience in terms of past incidents and the response implemented, to visit the storage facility and study its interfaces with the water body and surrounding environment, and to jointly list the incident scenarios to be considered to define the potential response strategies in the local context. This visit was also the opportunity to review the response equipment available on site and that can be mobilised in the area, as well as procurement needs, and to meet the key spill response stakeholders (SGEPP personnel and managers, port authorities, NOIP infrastructure manager, fire fighters) at the initiative of SGEPP. CEDRE / [Read more](#)

**GREECE: AMSA PRESENTATION AND ANNOUNCEMENT OF NEW HELMEPA PROJECT ON MARITIME SAFETY CULTURE**

September 11 - Within the context of the close collaboration between HELMEPA and the Australian Maritime Safety Authority – AMSA, the CEO of AMSA Mr. Mick Kinley is visiting Piraeus on Thursday 3 October for an informative presentation to HELMEPA Members and the wider maritime community. The attendees will have the opportunity to be updated on current issues and directly seek answers to questions regarding the requirements for ships operating in Australian ports, in order to get better prepared for PSC inspections.

Earlier the same day, Mr Kinley will join the panel of a Press Conference for the presentation of the new project “Enhancing the Understanding of New and Enduring Challenges in Maritime Safety Culture in the Eastern Mediterranean”, which is kindly financed by the Lloyd’s Register Foundation (LRF) and implemented by HELMEPA as coordinator, in cooperation with CYMEPA, the Hellenic Lloyd’s and DYNAMARINE as partners.

The event will be held at the auditorium of the Ceres building in Piraeus (Akti Miaouli 69, ground floor) at 10.00 a.m. Member Companies of HELMEPA will receive an official invitation within the next few days, while others interested to attend may register by email at [training@helimpepa.gr](mailto:training@helimpepa.gr)

**GUYANA: CDC EXPANDING EMERGENCY COMMAND CENTRE, STAFFING, AS PART OF CONTINGENCY PLANNING FOR OIL PRODUCTION**

September 10 - As it continues to prepare contingency plans for the start of oil production offshore Guyana, the Civil Defence Commission (CDC) is expanding its main disaster relief command centre while seeking to ensure it has the needed additional staff. “The expansion is in preparation and taking in consideration major emergencies and operations which might occur offshore and onshore,” CDC Director-General Lieutenant-Colonel Kester Craig told Stabroek News in an interview.

Craig has assured that come first oil, slated for the first quarter of 2020, the agency will be ready to deal with a possible oil spill. Apart from the help of operators, Guyana has bilateral agreements with a number of countries and agreements as a part of CARICOM for support in the event of an oil spill. “What many of us don’t understand, too, is that we have the mutual agreement with CDEMA [the Carib-bean Disaster Emergency Management Agency] that supports disaster response and if we need support from international bodies, if we need support from other CARICOM countries, like Trinidad and Tobago, [or] Suriname, based on the existing management system, they are required to support us. That is under an agreement article signed by CDEMA, signed in 1991. We have support from a number of countries, operators and agencies. We are satisfied [that we will be ready],” Craig said.

Stabroek News / [Read more](#)

## MALTA: PRESENTATION OF THE FIRST DRAFT OF THE HNS GUIDE TO THE REMPEC'S FOCAL POINTS



The methodology and content of the Joint Inter-regional HNS Manual developed by Cedre, ISPRA and ITOPF was presented and discussed during the 13th Meeting of Focal Points of REMPEC. The Manual will provide state-of-the-art operational guidelines for prevention and preparedness to HNS pollutions, taking into account the characteristics of the Baltic, North and Mediterranean seas Coastal States from the three basins will be closely associated to its development through their respective regional technical working groups. REMPEC / [Read more](#)

## NIGERIA: GOVT BEGINS MODALITIES TO COMPENSATE OIL SPILL VICTIMS

September 11 - The Federal Government on Tuesday began a three-day workshop aimed at mobilising awareness designed to ensure that victims of oil spill and pollution access the International Oil Pollution Compensation (IOPC) fund of the International Maritime Organisation (IMO).

The workshop held at Eko Hotel and Suites, Victoria Island was jointly organised by the Nigerian Oil Spill Detention and Response Agency (NOSDRA) and the Nigerian Maritime Administration and Safety Agency (NIMASA) in partnership with the Global Initiative for West, Central and Southern Africa (GIWACAF).

The Minister of Environment, Dr. Mohammad Abubakar, while declaring the workshop open, said the workshop was aimed at drawing attention to the scope and implementation of the IOPC fund, while also focusing on the procedure related to liability and compensation in case of an oil spill. The Nation / [Read more](#)

## NIGERIA: NATIONAL WORKSHOP ON LIABILITY AND COMPENSATION

September 12 - At the invitation of the National Oil Spill Detection and Response Agency (NOSDRA), and in collaboration with the Nigerian Maritime Administration and Safety Agency (NIMASA) and the Global Initiative for West, Central and Southern Africa (GIWACAF) Project, the IOPC Funds held a workshop on the international liability and compensation regime for oil pollution in Lagos, Nigeria, from 10 to 12 September 2019. IOPC Funds / [Read more](#)

## ICELAND: TROUBLE DEEP IN SEYÐISFJÖRÐUR



Photo: From Seyðisfjörður. [mbl.is/Bogi pór Arason](http://mbl.is/Bogi_pór_Arason)

September 7 - The town of Seyðisfjörður, the East Fjords, is in deep trouble – literally. Leakage from a British oil tanker, destroyed there by German military aircraft on February 10, 1944, is still polluting their fjord after all these years.

The municipal council is seeking ways to solve the problem, Morgunblaðið reports. Its members have contacted the British embassy in Iceland to see if the UK is willing to participate in this effort, for the tanker in question is British, by the name of El Grillo. The council has furthermore sent a message to the Ministry for the Environment, asking for a meeting with the Environment Minister.



## NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

During the Second World War, German warplanes attacked the vessel inside the fjord. There were no casualties, but the tanker sustained considerable damage and was subsequently sunk. Not surprisingly, there was an extensive oil spill, since the ship had the capacity to carry 9,000 tons of oil. In 1952, about 4,500 tons of oil were pumped from the ship. The process was repeated in 2001, but some oil still remains – forming an oil slick on the surface of the ocean in warm weather. Iceland Monitor / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### USA: ENBRIDGE ENERGY CONDUCTING SURVEYS FOR POTENTIAL REROUTE OF LINE 5 PIPELINE

September 6 - Enbridge Energy is requesting permission from residents and local governments to conduct land surveys in northern Wisconsin as it explores rerouting its Line 5 pipeline outside of the Bad River tribe's reservation. Line 5 carries up to 540,000 barrels of oil and natural gas liquids per day from Superior to Sarnia, Ontario. WPR / [Read more](#)

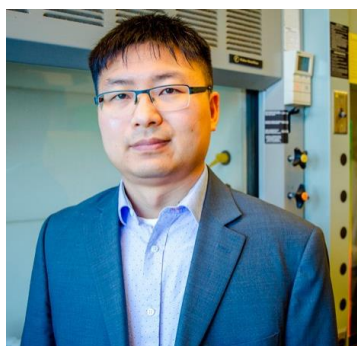
### USA: WASHINGTON - WDFW BUYS A BRAND NEW AIRBOAT FOR LAND AND WATER OPERATIONS

September 11 - The Washington Department of Fish and Wildlife has purchased an airboat for aquatic weed management and oil spill response efforts.

A grant from the Washington Department of Ecology allow WDFW to buy the airboat, which can more easily navigate shallow waters and hard-to-reach areas. The grant also funded advanced training for airboat operators.

"This is solving two problems at once," said Darcy Bird, Oil Spill Preparedness Planner for the Department of Ecology. "Fish and Wildlife needed an airboat, and we need airboat capability in the event of an oil spill. KXLY / [Read more](#)

## PEOPLE IN THE NEWS



*In the picture: Chunjiang An, assistant professor of building, civil and environmental engineering.*

August 29 - Fisheries and Oceans Canada has awarded a total of over \$5 million to Chunjiang An, assistant professor at the [Gina Cody School of Engineering and Computer Science](#), for his research to improve oil-spill clean-up processes. An will collaborate with fellow researchers from the [Department of Building, Civil and Environmental Engineering](#) — Ashutosh Bagchi, Zhi Chen, Catherine Mulligan, Samuel Li and Biao Li — as well as academic and industrial partners from Canada, the United States and Norway.

The project, entitled Oil Translocation Pathways and Processes in Canadian Shoreline Environments, will develop ways to decrease environmental risks during an oil-spill clean-up process by accelerating degradation and removal of the pollutant. University of Concordia / [Read more](#)

## ISCO NEWS

### DATE FIXED FOR ISCO'S 2019 AGM IN NEW ORLEANS, USA

September 6 – ISCO Secretary Matthew Sommerville announced today that ISCO's 2019 Annual General Meeting will be held on Monday 28<sup>th</sup> October at 18.15 hrs. at the Clean Gulf Conference, 2019 in New Orleans, Louisiana, USA at the Ernest N, Morial Convention Centre.

The Agenda, Secretary's Report and Proxy Voting Form will be sent via email to all members before the end of this month.

## NEWS FROM ISCO MEMBERS

News from ISCO Members – Your editor welcomes news from members. Please ensure that ISCO is on your mailing list for your press releases and company newsletters. Send your news to [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org)

### CHAUNCEY NAYLOR NAMED DIRECTOR AT RESOLVE MARITIME ACADEMY



September 8 - Resolve Maritime Academy, the learning arm of the Resolve Marine Group, welcomes Chauncey Naylor as the Academy's new Director responsible for operational management, strategic course, and certification development. Naylor comes to Resolve from Williams Fire and Hazard Control in Port Arthur, Texas, with extensive experience leading safety management and emergency service teams. "We are excited to have Chauncey join the Resolve Academy as Director," said Joseph E. Farrell, III, VP Business Development at Resolve, "training programs and student experience will benefit greatly from his land- and marine-based firefighting expertise." The Maritime Executive / [Read more](#) <https://resolvemarine.com/>

## NRC APPOINTS NEW EMERGENCY RESPONSE MANAGER



September 9 - NRC welcome new Emergency Response Manager Mark Shepherd to our team.

Mark is responsible for the oversight and delivery of all aspects of NRC Emergency Response services including Oil Spill Response, HNS and Training.

Bringing with him almost 20 years' experience in the field, Mark has held senior positions within major companies in the Marine and Oil and Gas sector globally.

He joins the company with a proven background in Emergency Response, Training and Consultancy and further strengthens and augments the NRC Management team. [www.nrcc.com](http://www.nrcc.com)

## ELASTEC ANNOUNCES ITS PHOTO CONTEST WINNER

September 12 - The winner of this contest and the recipient of a new iPad is Ted Mullis, who sent in this photo of a curious young bear investigating an idle ELASTEC SmartAsh Portable Incinerator. Ted and his team were working in very remote locations in Alaska that were only accessible by helicopter. They used the SmartAsh to burn their trash and debris. "Burning all trash on-site saved hours and money on the helicopter" Ted said in his submission email. "This bear got into our food tent. In the picture, you can see pancake batter on his face."

SmartAsh is the perfect tool for remote campsites in regard to destroying trash and debris. It saves transportation cost, destroys waste, has clean emissions and helps keep the environment clean and natural wildlife safe. Thank you Ted for sharing your photos and story! ELASTEC / [Read more](#)



## DESMI ENVIRO-CLEAN WINS 360 DEGREE AWARD



Photo: DESMI concept EnviRo-Clean wins award from The Danish Chamber of Commerce

September 12 – Recently, DESMI EnviRo-Clean won the 360 degree award. DESMI EnviRo-Clean is very committed to the UN sustainable development goals due to its constant efforts to combat marine debris from waterways all around the world, before it enters into the ocean.

As the jury concluded: "It is possible to create a sustainable & impactful business case that makes a huge difference to our environment, people & education and still stands commercially viable". We thank the jury for the award and acknowledgement for our effort on reducing the pollution of plastics in the oceans.



The mission of DESMI EnviRo-Clean is to reduce the plastic pollution of the oceans. Therefore, we aim to tackle the problem as close to the source of pollution as possible. Hence, we strive to accommodate the above UN Sustainable Development Goals



[DESMI EnviRo-CLEAN](#)

Clean-up Operations - Combating Marine Pollution & Protecting Waters



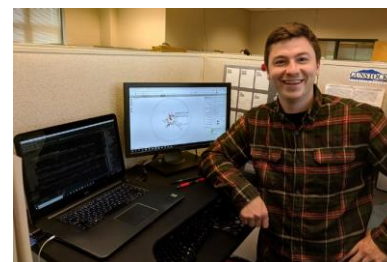
[DESMI EnviRo-CLEAN](#)

Clean-up Operations - Combating Marine Pollution & Protecting Waters

## GRAD STUDENT SEVIGNY IMPROVES MEIOFAUNA GENOMIC ANALYSIS TO INFORM OIL SPILL RECOVERY

In the photo: Ph.D. student Joe Sevigny conducts bioinformatics analyses at the University of New Hampshire Hubbard Center for Genome Studies. (Photo by Steve Simpson)

September 3 - **Joseph Sevigny** uses genetic research techniques to expand our knowledge about meiofauna taxonomy and improve the way we analyze and monitor these communities. His work to develop novel methods for efficient genomic analysis can reduce the time it takes researchers and responders to survey and monitor how meiofaunal communities recover from environmental disturbances. Gulf Research Initiative / [Read more](#)



## RESOLVING THE DILEMMA OF DISPERSANT USE FOR DEEP OIL SPILL RESPONSE



September 8 - The DWH incident witnessed the first use of chemical dispersants (Corexit 9550A®) applied directly into the stream of oil, natural gas, and water emanating from the top of the blowout preventer (BOP) located 1500 m below the sea surface.

This experimental use of the sub-surface dispersant injection (SSDI) strategy was done ostensibly for two reasons: (1) to reduce the quantity of volatile organic compounds (VOCs) entering the atmosphere around workers above the blowout, and (2) to more efficiently treat the large volumes of oil escaping from the well, compared to traditional surface application with aircraft (which was also done).

Since DWH, the oil industry has invested in new technologies for delivering dispersants to BOPs and has stockpiled dispersants with the expectation that SSDI will be used as a primary response strategy for the next 'ultra-deep' (i.e.  $\geq 1500$  m) blowout.

Despite extensive research on the topic [1–3], a number of essential questions remain unanswered, including: How effective was the use of SSDI in reducing the quantity of oil and VOCs eventually reaching the surface? Answering this question has enormous practical and economic consequences, as the marine oil industry both in the Gulf of Mexico and globally is increasingly reliant on ultra-deep production. However, significant uncertainties in the fundamental mechanisms involving deep sea blowouts and the efficacy of SSDI as a response countermeasure remain. Thus, there exists a fundamental dilemma for oil spill responders: to disperse at depth or not.

Read this paper by Steven A Murawski, Michael Schlüter, Claire B Paris and Zachary M Aman

Published 6 September 2019 • © 2019 The Author(s). Published by IOP Publishing Ltd

[Environmental Research Letters](#), Volume 14, Number 9 IOP Science / [Read more](#)

## PUBLICATIONS

### NI PUBLISHES GUIDELINES FOR COLLECTING MARITIME EVIDENCE, VOLUME 2

September 10 - This second volume in the Collecting Maritime Evidence series has a special focus on electronic evidence – what it is, how to preserve and collect it, and how it can be used to understand the circumstances that led to a maritime incident.

While not completely replacing traditional records such as hard-copy logbooks, data from electronic sources such as ECDIS, VDR and AIS is vital for the investigator. Admiralty Judge Mr Justice Teare points out that the great benefit of such evidence is that “electronic or digital records cannot lie or have a faulty or imperfect recollection. They will be the best evidence of what happened.”

The book’s expert contributors are drawn from a wide range of disciplines. Among the subjects they discuss are the roles of the average adjuster and the mariner lawyer, evidence collection from the P&I perspective and that of the naval architect, and fire, deterioration of agricultural cargoes, machinery failure and surveying. Introducing the volume, Captain Ian McNaught CVO MNM FNI, Deputy Master of Trinity House, emphasises, “It is imperative that seafarers understand the need for accurate evidence after an accident on board ship.” The expert advice contained here and in Volume 1 will enable seafarers to protect themselves and defend their actions through the production of such evidence.

To purchase a copy of Guidelines for Collecting Maritime Evidence, Volume 2 visit <https://bit.ly/2k7ly1M> (£50.00, NI Members £35.00) Guidelines for Collecting Maritime Evidence, Volume 2, can be bought together with Guidelines for Collecting Maritime Evidence, Volume 1, for £90.00 (NI members £63.00).

For more information and review copies please contact Bridget Hogan, Director of Publishing and Membership, The Nautical Institute +44 (0) 20 7928 1351, [bh@nautinst.org](mailto:bh@nautinst.org)



## CONTRACTS & TENDERS

### OPEN TENDER NOTIFICATION SERVICE

This is a subscription service. [Have a look to see examples of open tenders.](#)

## MESSAGES FROM EVENT ORGANISERS

**Clean Gulf in New Orleans – October 28-31 – MEET & GREET WITH THE STATE & FEDERAL REGULATORY AGENCIES.** Representatives from multiple State and Federal Agencies involved with CLEAN GULF will be on hand in the Exhibit Hall to answer attendee questions relative to their activities. <http://2019.cleangulf.org/>

**International Chemical & Oil Pollution Conference & Exhibition, Singapore, 21-24 October – Pre-Conference Workshop** on Managing Legal Liability, Claims, and Compensation for Oil and Pollution Spills; [Post-conference ChemSpill Exercise](#)

## RESPONSE EVENTS DURING SEPTEMBER 2019 (UPDATED)

### UK: THE EMERGENCY SERVICES SHOW

Birmingham, September 18-19. Visit over 450 exhibiting companies displaying the latest PPE, fire-fighting equipment, communications technology, training facilities, vehicles and vehicle equipment [More info](#)

### THAILAND: NATIONAL OIL SPILL CONTINGENCY PLAN WORKSHOP

Bangkok, September 24-27. Review and update of the National Oil Spill Contingency Plan (NOSCP) for Thailand. [More info](#)

### UK & IRELAND: ISAA TRAINING DAYS AT CASTLE ARCHDALE

Enniskillen, September 25-26 Two days of technical presentations and practical hands-on exercises on inland spill response. Download the training programme agenda at [http://spillcontrol.org/downloads/Agenda for Castle Archdale 25th.docx](http://spillcontrol.org/downloads/Agenda_for_Castle_Archdale_25th.docx)

### BAHREIN: GLOBAL HSE CONFERENCE 2019

Bahrain, September 30 – October 1. HSE professional from all across the globe will converge their knowledge to lead the future of HSE practices. The event will witness thought leaders of the industry who will impart knowledge sessions on the sustainable business practices underlining the socio-economic excellence. [More info](#)

## UPCOMING EVENTS - OCTOBER 2019 ONWARDS (UPDATED)

COUNTRY	2019	TITLE OF EVENT	LOCATION
For more information click on Title of Event			
UK	October 2-3	<a href="#">Asset Integrity Management Conference</a>	Aberdeen
UK	October 2-4	<a href="#">ITAC Oil Spill Response Forum</a>	Southampton
CROATIA	October 2-5	<a href="#">Pollution Response Challenges in the Mediterranean Conference</a>	Split
USA	October 7-10	<a href="#">Elastec's Fall 2019 River Spill Workshop</a>	Carmi, IL
NORWAY	October 14-18	<a href="#">NOSCA Seminar 2019</a>	Frøya
UAE	October 15-17	<a href="#">RECSO Envirospill Conference &amp; Exhibition</a>	Abu Dhabi
BAHREIN	October 20-21	<a href="#">Int'l Oil Spill Response &amp; Environmental Protection Congress &amp; Exhibition</a>	Manama
SINGAPORE	October 21-24	<a href="#">International Chemical and Oil Pollution Conference and Exhibition</a>	Singapore
UK	Oct. 28 – Nov. 1	<a href="#">Meetings of the IOPC Funds Governing Bodies</a>	London
USA	October 28-31	<a href="#">Clean Gulf Conference and Exhibition</a>	New Orleans, LA
USA	October 28	<a href="#">ISCO AGM</a>	New Orleans, LA
SOUTH AFRICA	October 28-31	<a href="#">8th GI WACAF Regional Conference</a>	Cape Town
CANADA	October 29-31	<a href="#">Arctic Shipping Forum North America</a>	Montreal
SOUTH AFRICA	November 4-7	<a href="#">IMS 300 Training and 3rd Joint industry – government exercise</a>	Cape Town
TUNISIA	Nov. 13-14	<a href="#">Incident Management System Training Workshop</a>	Tunis
FRANCE	November 21	Cedre Technical Day	Brest
UK	December 4-6	<a href="#">Global Marine Casualties Week</a>	London

## UPCOMING EVENTS - OCTOBER 2019 ONWARDS (CONTINUED)

UAE	Dec. 8-10	<a href="#">Middle East HSE and Sustainability Week</a>	Dubai
COUNTRY	2020	TITLE OF EVENT	LOCATION
USA	May 11-14	<a href="#">International Oil Spill Conference &amp; Exhibition</a>	New Orleans, LA
CANADA	June 2-4	43rd AMOP Technical Seminar on Environmental Contamination and Response.	Edmonton, Alberta
COUNTRY	2021	TITLE OF EVENT	LOCATION
NETHERLANDS	March 22-26	Interspill Conference & Exhibition	Amsterdam
To request posting of an event of interest to the Spill Response Community please send details to the Editor			

Note: If a URL link (underlined in blue ink) is not yet available, one will be given in a later issue of this Newsletter

## LINKS FOR DOWNLOADING & READING OTHER PUBLICATIONS

<a href="#">Alga Chronicle</a>	News from Australia on Contaminated Land Remediation	August 2019
<a href="#">AMSA Update</a>	Latest news from the Australian Maritime Safety Authority	Current issue
<a href="#">ATRAC Newsletter</a>	News from the Adriatic Training and Research Centre	June 2019
<a href="#">AUSMEPA Bulletin</a>	News from the Australian Marine Environment Protection Assoc'n	Winter 2019
<a href="#">BIMCO Bulletin</a>	Marine and shipping-related news from BIMCO	June 2019
<a href="#">Newsletter from George Holliday</a>	News and commentary on HSE issues from George Holliday	On request email
<a href="#">Bow Wave</a>	Sam Ignarski's Ezine on Marine & Transport Matters	Current issue
<a href="#">Cedre Newsletter</a>	News from Cedre in Brittany, France	July / Aug 2019
<a href="#">Clean Nigeria Associates Newsletter</a>	News from CNA about Oil Spill Response in Nigeria	December 2018
<a href="#">EMSA Newsletter</a>	News from the European Maritime Safety Agency	September 2019
<a href="#">GEF Newsletter</a>	Monthly Newsletter from the Global Environment Facility	September 2019
<a href="#">GESAMP</a>	Group of Experts on the Scientific Aspects of Marine Environmental Protection	Latest news
<a href="#">GISEA Quarterly Newsletter</a>	News from Global Initiative for South-East Asia	Q 2 2019
<a href="#">IMO News Magazine</a>	News from the International Maritime Organization	Summer 2019
<a href="#">IMO Publishing Newsletter</a>	New and forthcoming IMO publications	August 2019
<a href="#">JOIFF "The Catalyst"</a>	Int'l Organisation for Industrial Hazard Management	July 2019 issue
<a href="#">Maritime Executive Magazine</a>	Often contains articles of interest to the spill response community	Jan.-Feb. 2019
<a href="#">MOIG Newsletter</a>	News from the Mediterranean Oil Industry Group	April 2019 issue
<a href="#">Nautical Institute News</a>	News from the Nautical Institute	March, 2019
<a href="#">Navigate Response</a>	Global crisis communications network for shipping & marine	June 2019
<a href="#">NOAA OR&amp;R</a>	Weekly round-up of news from NOAA's Office of Response & Restoration	Latest issue
<a href="#">Oceanbuzz</a>	Newsletter giving news on the Ocean Technology Industry	Current issue
<a href="#">OCIMF Newsletter</a>	News from the Oil Companies International Marine Forum	August 2019
<a href="#">OHMSETT Gazette</a>	Oil Spill Response Research & Renewable Energy Test Facility Quarterly	Fall 2018
<a href="#">OSPAR Newsletter</a>	Protecting & Conserving the N.E. Atlantic and its resources	Spring 2019
<a href="#">PEMSEA Newsletter</a>	Healthy oceans, people and economies in the East Asian Seas	June, 2019
<a href="#">Pollution Online Newsletter</a>	News for pollution prevention & control professionals	April 3, 2019
<a href="#">Safe Seas, Clean Seas</a>	Quarterly Newsletter from Maritime New Zealand	July 2018 issue
<a href="#">Salvage World</a>	Quarterly Newsletter of the International Salvage Union	Current issue
<a href="#">Sea Alarm Foundation Newsletter</a>	Oiled wildlife Preparedness and Response news from Sea Alarm	Current issue
<a href="#">Technology Innovation News Survey</a>	News from US EPA – Contaminated Site Decontamination	July 16-31, 2019
<a href="#">USA EPA Tech Direct</a>	Remediation of contaminated soil and groundwater	Sept. 1, 2019
<a href="#">WestMOPoCo</a>	Western Mediterranean Region Marine Oil & HNS Pollution Cooperation	August 2019

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

## INCIDENT REPORTS (IN CHRONOLOGICAL ORDER)

### USA: NOAA OR&R'S ROUND-UP OF INCIDENT RESPONSES FOR AUGUST 2019

Here is the complete list of last month's incidents, click on the links to find out more:

- [Grounded F/V Koko](#)
- [Mystery Sheen, Southeast Oahu, Hawaii](#)
- [TPIC South Pass 24 W1 Central Facility](#)
- [Hilcorp Crude spill Terrebonne Bay](#)
- [S2 Energy Little lake, Turtle Bay, Jefferson Parrish, LA](#)
- [Napakiak School Tank Farm](#)
- [Disabled pleasure craft, Lanai, Hawaii](#)
- [Time Energy Cox Bay Crude Spill and In-situ Burn](#)
- [ArcelorMittal Burns Harbor](#)
- [Pleasure craft "The Lady" sunk](#)

[https://blog.response.restoration.noaa.gov/incident-responses-august-2019?utm\\_medium=email&utm\\_source=GovDelivery](https://blog.response.restoration.noaa.gov/incident-responses-august-2019?utm_medium=email&utm_source=GovDelivery)

## **BAHAMAS OIL SPILL UPDATES**

**September 9 - Equinor pledges to clean up Bahamas oil spill** - Equinor has secured vessels and equipment for oil spill response in Port Fourchon, Louisiana, and from various ports across southeast Florida. Some are now en route, while some are pending customs to be en route as soon as possible. Upon arrival, clean-up and remediation will start immediately. The equipment mobilized includes skimmers, oil containment booms, absorbents, pumps, pressure washers and boats. World Oil / [Read more](#)

**September 10 - Equinor sends 43 oil spill response personnel to clean up Bahamas oil spill.** Resources in the Bahamas, the US and Norway are coordinating the response to the spill and mitigation of damage to the terminal. Efforts are being made to address the terminal site, structures and surrounding areas, including nature and wildlife. A team of tactical experts on oil spill response is on site and is preparing necessary work. Post On-Line Media / [Read more](#)

**September 11 - Major Oil Spill on Grand Bahama Reaches the Ocean, Damages Coastline** - Our initial aerial assessment of the South Riding Point facility has found that the terminal has sustained damage and oil has been observed on the ground outside of the onshore tanks. It is too early to indicate any volumes. At this point there are no observations of any oil spill at sea. Despite Equinor's assurance, The Weather Channel reported on Friday that oil may have indeed reached water, based on compelling photo and video evidence. Weather.com / [Read more](#)

**September 13 - Equinor continues oil spill recovery in its Bahamas terminal** - Norwegian oil and gas company Equinor is progressing oil spill recovery at the South Riding Point terminal in the Bahamas, after the impact of Hurricane Dorian. An onshore team has started to recover oil and move it into tank storage. A response team continues to assess the damage and plan the recovery work. Initial recovery assets have been deployed and additional machinery and equipment is being added. Recovery is expected to be significantly stepped up over the coming days in close dialogue with local authorities. There is no oil spill at sea as a result of the damage. A previously suspected oil spill in open water has now been confirmed to be a patch of seaweed. Another area with potential product 70-80 kilometers north east of the terminal on the other side of the island has been observed from air and results are being processed. Safety4Sea / [Read more](#)

## **USA: DAMAGED BARGE SPILLS OIL IN TENNESSEE**

September 8 - An oil spill has occurred from a damaged barge in the Jamie Whitten Lock at mile marker 412 on the Tennessee Tombigbee Waterway. Watchstanders at U.S. Coast Guard Sector Ohio Valley received a report at 6:46 a.m. on Sunday from the National Response Center that an unknown amount of crude oil was discharged from a damaged crude oil barge owned by Savage Inland Marine. The source of the spill has not been secured. The crude oil is contained within the lock and dam, and within the 35 feet of boom placed around the dam. The Maritime Executive / [Read more](#)

**September 11 - Spill Recovery Continues at Jamie Whitten Lock** - The U.S. Coast Guard is continuing to respond to a crude oil discharge that is contained within the Jamie Whitten Lock at mile marker 412 on the Tennessee Tombigbee Waterway. Coast Guard Sector Ohio Valley responded to a call on Sunday that crude oil was discharging from a damaged barge owned by Savage Inland Marine. The damaged cargo tank on the barge had an estimated capacity of 321,000 gallons of crude oil. The estimated amount released and contained in the Jamie Whitten Lock is 117,000 gallons; the remaining capacity was removed from the barge. The Maritime Executive / [Read more](#)

## **USA: ILLINOIS - TANKER IN DUPO TRAIN DERAILMENT FIRE APPARENTLY WAS CARRYING A SOLVENT, RAILROAD SAYS**

September 10 - Initial information indicates that a tank car containing a flammable liquid called "methyl isobutyl ketone" was involved in the fire, according to Union Pacific spokeswoman Kristen South. A KMOV-Channel 4 video shows that over 10 train cars were derailed and flames were shooting from the wreckage. St. Louis Public Radio / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

## **CHINA: 120 CONTAINERS LOST IN EAST CHINA SEA**

September 10 - The main headache for authorities is the recovery of dozens of containers and their content, floating in the sea and scattered around coastline. Recovery operation under way. Maritime Bulletin / [Read more](#) [Thanks to Voytenko Mikhail, [vmd@odin.tc](mailto:vmd@odin.tc)]

## **USA: GEORGIA - NEXT STEP ON CAPSIZED SHIP ISN'T EASY, EITHER**

September 11 - Now that everybody is off the Golden Ray, the cargo ship that capsized off the coast of Georgia, the next step is less clear. The 71,000-ton, 650-foot cargo ship is filled with oil, has thousands of cars aboard, and is on its side, NBC reports. Securing and removing the Golden Ray could take months, the Coast Guard commander said. In the meantime, the ship is blocking the Port of



Brunswick, the nation's second-busiest for vehicles and heavy machinery. The region will endure economic damage until the ship is gone. "This is a complex case," Cmdr. Norm Witt said. "This is definitely something that we want to get right the first time." Environment protection is a primary concern, and steps were taken after the first rescue. The ship isn't leaking at the moment, per captain, though there's some oil in the water. The Coast Guard's job now is to remove the ship safely while avoiding damaging the environment; the commander said he's hopeful of avoiding a major oil spill. An emergency safety zone has been set up in St. Simons Sound; no ship is allowed within a half-mile of the Golden Ray. But Witt warned some damage is unavoidable. "The vessel is on its side, and it's not designed to be on its side," the commander said. "We will have some pollution." Newser / [Read more](#)

### **SUDAN: OIL SPILL IN RED SEA NEAR PORT SUDAN**

September 11 - The Red Sea coast off Hoshiri near the port of Port Sudan witnessed an oil spill for the fourth time. Journalist Osman Hashim told Radio Dabanga that the oil spread to large areas. Fishermen and environmental experts warned of the consequences of the oil spills in the Red Sea, pointing at the negative effects on fish, sea life and the sea itself. Dabanga / [Read more](#)

### **USA: LOUISIANA - CLEANUP UNDER WAY FOR SPILL NEAR NEW ORLEANS' FRENCH QUARTER**

September 12 - The U.S. Coast Guard is working with a private pollution control contractor to clean up an oil spill along the downtown New Orleans waterfront near Mississippi River mile marker 95. The spill - a sheen representing an unknown quantity of oil from an unknown source - appeared near the Riverwalk Gazebo in New Orleans' Woldenberg Park, a green space at the edge of the French Quarter. The site is one mile upriver from the New Orleans Convention Center. 1,500 feet of containment boom has been deployed to limit the spill's spread. Six spill response boats, Coast Guard shoreline response teams, and assets from the Louisiana Oil Spill Coordinator's Office are on scene to address the incident. The Maritime Executive / [Read more](#)

### **CANADA: ALBERTA - CLEAN-UP UNDERWAY AFTER 500,000 LITRES OF PRODUCED SALT WATER RELEASED NEAR GRANDE PRAIRIE**

September 12 - A clean-up operation is underway in northern Alberta after 500,000 litres of produced salt water was released from a pipeline near Grande Prairie earlier this week. The pipeline is owned by NuVista Energy Ltd. of Calgary. Leak detection measurement equipment discovered the breach, which was reported to the Alberta Energy Regulator on Monday, the company said Thursday. The release occurred in the Bilbo field located about 70 kilometres south of Grande Prairie, company vice-president production and facilities Ryan Paulgaard said. The pipeline was immediately shut down and isolated and the clean-up is "well underway," he said. There was "no definitive timeline" as to how long the clean-up and land reclamation will take, he added. CBC News / [Read more](#) [Thanks to Dr Merv Fingas, FISCO, Member of ISCO Council for Canada]

### **NORWAY: OIL TERMINAL EVACUATED AFTER BLAZE ON TANKER**

September 13 - Police evacuated people from a major tanker port in southern Norway Friday as a precaution after a fire on an oil tanker. Firefighters took two hours to extinguish the blaze on the Liberia-flagged Dubai Harmony, assisted by the vessel's crew, the local fire department said, adding they were continuing to cool the area. The ship was docked at Stureterminalen, north of Bergen. The terminal's main operator, Equinor — Norway's largest oil and gas company — said it was alerted at 11 a.m. about a fire in the engine room of Dubai Harmony. Seattle Times / [Read more](#) [Thanks to Don Johnston of ISCO Industry Partner, DG & Hazmat Group]

### **BANGLADESH: LIGHTER CONTAINER SHIP WITH 152 CONTAINERS SANK OFF CHITTAGONG**

September 14 - Number of containers washed away yet unknown, some dozens, probably. Maritime Bulletin / [Read more](#) [Thanks to Voytenko Mikhail, [vmd@odin.tc](mailto:vmd@odin.tc)]

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