



## 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

## ISCO EXECUTIVE COMMITTEE

### President, Secretary General & Vice-Presidents

- Nominee for an Acting President (TBA)
- Mr Neil Marson, Secretary General (UK)
- Mr John McMurtrie, VP and Editor (UK)
- Ms Mary Ann Dalgleish, VP M'ship (USA)

### Other Executive Committee Members

- Mr Kerem Kemerli (Turkiye)
- Mr Marc Shaye (USA)
- Mr Dan Sheehan (USA)
- Captain Bill Boyle (UK)
- Lord Rickaby (UK)
- Mr Matthew Sommerville (UK)

### COUNCIL (National Representatives)

- Mr John Wardrop (Australia)
- Mr Elkhan Mamedov (Azerbaijan)
- Dr Merv Fingas (Canada)
- Captain D. C. Sekhar (India)
- Major Ben Benny (Israel)
- Mr Sanjay Gandhi (Kenya)
- Mr Dennis van der Veen (Netherlands)
- Mr Carlos Sagrera (Panama)
- Mrs Fatima B. Shaik (South Africa)
- Dr Ali Saeed Al Ameri (UAE)
- Dr Timothy Gunter (USA)
- Mr Flavio P. de Andrade (Brazil)
- Mr Kerem Kemerli (Turkiye)

### SECRETARIAT (Core Management Team)

- Mr Neil Marson (UK)
- Mr John McMurtrie (UK)
- Ms Mary Ann Dalgleish (USA)
- Captain Bill Boyle (UK)
- Mr John Wardrop (Australia)
- Mr Marc Shaye (USA)
- Mr Michael Watson (UK)

## INTERNATIONAL NEWS

PLEASE CLICK ON THE BANNERS BELOW FOR MORE INFORMATION



## UN SEEKS PLAN TO BEAT PLASTIC NURDLES, THE TINY SCOURGES OF THE OCEANS

August 20 - Maritime authorities are considering stricter controls on the ocean transport of billions of plastic pellets known as nurdles after a series of spillages around the world.

Campaigners warn that nurdles are one of the most common micro-plastic pollutants in the seas, washing up on beaches from New Zealand to Cornwall. The multicoloured pellets produced by petrochemical companies are used as building blocks for plastic products, from bags to bottles and piping.

Billions of nurdles washed up in Sri Lanka in May last year after the container ship X-Press Pearl caught fire and sank in the Indian Ocean. The United Nations said the spillage of about 1,680 tonnes of nurdles was the worst maritime disaster in Sri Lanka's history.

The International Maritime Organization, a UN agency, has asked pollution experts to examine the options for "reducing the environmental risk associated with the maritime transport of plastic pellets (nurdles)". The IMO said a panel of experts would submit their findings for a meeting in April next year.

Sri Lanka has called for nurdles transported in container ships to be identified as a harmful substance and a hazard to the marine environment. It would mean tighter procedures to reduce the risk of a spill.

In a submission by Sri Lanka to the IMO after the X-Press Pearl sinking, officials said: "The incident has resulted in deaths of marine species such as turtles, whales and dolphins".

"There needs to be immediate steps taken to regulate and better coordinate the handling, management, and transportation of plastic pellets through the entire supply chain. Voluntary plastic industry initiatives are not sufficient."

[Read the complete text of this very topical report in the Guardian](#)

**ISCO AMBASSADORS**

(Members with special responsibilities in specified geographical areas)

- Carlos Sagrera Latin America (Spanish speaking)
- Matthew Sommerville UK London
- John Noble UK London & South'ton
- Wu Yue China

**MEMBERSHIP OF ISCO**

- [Benefits of Membership](#)
- [Online Membership Application Form](#)

**YOU ARE INVITED TO JOIN THE ISCO DISCUSSION GROUP ON LINKED-IN**

 Click on the link below – <https://www.linkedin.com/groups/4016064/>

**AND ISCO'S FACEBOOK GROUP**   
Click on the link - <https://www.facebook.com/groups/388528312842431>

**WHATSAPP GROUP FOR STUDENTS, TRAINEES & APPRENTICES**

Here is the link for joining this group – <https://chat.whatsapp.com/KMxdW7IEal79namyNlbVqg>

**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 MEMBERSHIP (MISCO) or FELLOWSHIP (FISCO)

- [About Professional Membership](#)
- [Professional Membership Application Form](#)




**ISCO NEWS**

**INTRODUCING NEW STUDENT MEMBERS OF ISCO**

Student Members are invited to post introductions to themselves in the Newsletter



“My name is Asime James Oba I'm a graduate of University of Maiduguri. I have graduated with a Bachelor of Science degree in Microbiology.

My course of study in the university was Microbiology.

I am currently an independent researcher with seven publications related to environmental microbiology and public health.

My research mainly focuses on bioremediation and biodegradation of hydrocarbons in contaminated soil. I'm passionate because I am from the polluted Niger Delta region of Nigeria.

My research name is Asime Oba. I am on research gate,

google scholar, academia, Publon and web of science. I want to contribute immensely in ISCO if I have the opportunity and capacity to do so”.

[Editor: ISCO welcomes Asime’s commitment to helping ISCO and contributing to projects being carried out by members of ISCO’s Students Group. The free membership offered to its student members is restricted to the duration of their studies but in Asime’s case a decision has been made to extend his free membership for a year. Asime has passed on two of the technical papers which he has co-authored, both relating to the potential of bioremediation in the remediation of hydrocarbon pollution in the Niger Delta. Subject to necessary permissions we hope to publish or provide links for downloading these papers and further advice on this will be given later.]

**ISCO – INTERIM EXECUTIVE MEETING**

In the continuing time during which a successor has not yet been appointed to succeed our late and very sadly missed President, David Usher, the function of this office is being undertaken by an Interim Executive (IE) composed of senior members of ISCO’s Executive Committee. The IE held its first meeting online on Wednesday 24<sup>th</sup> August 2022.

The IE is focused on Actions to fully Implement the Revised 2021 ISCO Constitution including the development and implementation of Action Plans and the Development of an improved Management System. The initial focus is concerned with succession issues and establishment of Guidelines for the Establishment, Documentation and Management of Working Groups under an Action Plan. As the deliberations of the IE progress recommendations will be submitted to the full Executive Committee for consideration and, subject to approval, to the Membership at the next Annual General Meeting.

**ISCO VOLUNTEERS & MEMBERS MEETING**

This meeting was held online on Thursday 25<sup>th</sup> August 2022. The minutes will be published in the ISCO Newsletter next week.





### EUROPE : CLEANSEANET - DETECTIONS AND FEEDBACK DATA (2015-2021)

August 22 - CleanSeaNet detections can be caused by mineral oil but may also indicate other pollutants (e.g. sewage, garbage) or naturally occurring features (e.g. algae blooms, areas of upwelling, etc.). Additionally, not all oil spills detected by CleanSeaNet are illegal (e.g., discharges outside of special areas, with oil content less than 15 parts per million and located more than 50 nautical miles from shore). In connection herewith it should also be mentioned that permitted discharges of oil with produced water from offshore oil & gas installations in certain weather conditions can give rise to accumulation of oil sheens at the sea surface. CleanSeaNet detections require further validation / confirmation by the Member States as part of their surveillance and enforcement activities. [Download the reports](#)

### MEDITERRANEAN OIL INDUSTRY GROUP GENERAL ASSEMBLY MEETING

As previously announced in the MOIG Newsletter Issue 051, we are coming up to MOIG General Assembly Meeting (GAM) that will be held on 24th October 2022; in Opatija-Croatia in conjunction with the regional workshop on Enhancing Oil Spill Preparedness and Response in the Adriatic and the Mediterranean Regions and shall see the changing of MOIG Management Committee Members.

The Management Committee Members are due to be renewed for 2022/2024 according to MOIG Constitution and Rules, as part of the renewal process, all members are encouraged and invited to serve on the Management Committee. MOIG is committed to the continual enhancement and support of member's individual and collective oil spill preparedness and response capacity in the Mediterranean region.

MOIG has achieved a lot through the current Management Committee and would like to continue with the same enthusiasm shown during the last mandate. The existing Management Committee has helped steer the MOIG to the position we are today, whilst we thank and fully appreciate the efforts of the existing Management Committee. It is imperative that we utilize the experience and expertise available within our members to nominate suitable individuals to replace the existing Management Committee. It is important to remind that the Management Committee role is to facilitate communications with and between the MOIG members and technical partners and garner support for the MOIG activities and other collaborative activities related to oil spill prevention, preparedness and response.

The activity of the MOIG is such that a person with a relevant background and experience would be best suited for nomination on the next Management Committee. We would like to bring members attention that any appointment within the Management Committee of MOIG requires an active participation supported by the applicant's company.

The involvement requires participation at meetings of the Management Committee and occasional working group according to the Business Plan of MOIG, review of documents, this is estimated to a five to six days per year work commitment. In this regards, I cordially invite you to attend the GAM to present your nomination to the Management Committee or nominate another member that you may feel can affectively support the Management of MOIG. MOIG shall prepare a document summarizing the report and accounts which will be circulated to attendees during the GAM. The agenda and the time of the meeting will be sent in due course. <http://www.medoilgroup.org/index.php/108-home/latest-news/upcoming-events/446-moig-general-assembly-meeting>

### INTERVIEW ON THE DEVELOPMENT OF PEMSEA WITH PROF. RAPHAEL LOTILLA



August 23 - On 26 November 2009 PEMSEA officially became an international organization for coastal and ocean governance with its own legal personality. It could now enter into contracts and receive and manage funds in its own name. In July 2012, the Headquarters Agreement between PEMSEA and the Philippines was signed by then PEMSEA Executive Director Prof. Raphael Lotilla and Philippine Foreign Affairs Secretary Albert del Rosario.

In May 2015, the Philippine Senate ratified the Headquarters Agreement, and adopted it to establish the PEMSEA Resource Facility.

As part of *The PEMSEA Story*, Prof. Raphael Lotilla reflected on these developments in an interview, reproduced below.

PEMSEA / [Continue reading](#)

### HOW THE UNEP/MAP EU-FUNDED PROJECTS CONTRIBUTE TO ACHIEVING GOOD ENVIRONMENTAL STATUS

August 23 - IMAP-MPA, EcAp MED III and Marine Litter MED II, three projects funded by the European Union (EU) and executed by the Mediterranean Action Plan of the UN Environment Programme (UNEP/MAP), recently held their Steering Committee meetings (on 7 June, 15 June and 6 July 2022, respectively) to take stock of progress with representatives of beneficiary countries and partners.

Under the leadership of the UNEP/MAP Coordinating Unit, five MAP components –SPA/RAC, PAP/RAC, Plan Bleu, INFO/RAC and MED POL—are working with national teams of the beneficiary countries, namely Algeria, Egypt, Israel, Lebanon, Libya, Morocco and Tunisia, to deliver the projects’ activities.

As the projects edge closer to completion (activities are expected to be finalized by 2023), the Steering Committee meetings noted progress, particularly in the delivery of regional activities, and called for increased support to national teams in the implementation of the projects in the seven beneficiary countries.

The UNEP/MAP Coordinator stated that “the three projects represent a significant contribution of the EU, as a Contracting Party to the Barcelona Convention, to key UNEP/MAP priorities with a particular focus on achieving Good Environmental Status (GES)”. UNEP / [Read more](#)

### NAUTICAL INSTITUTE - AN OCEAN OF CHANGE

August 25 - The increasing focus on zero emission shipping is likely to have a considerable impact on maritime operations in the very near future. The shipping industry finds itself in something of a dilemma, with the imminent introduction of ‘green’ fuel policies leaving most, if not all, shipowners in a ‘catch-up’ situation in order to meet new requirements – and, perhaps just as importantly, new stakeholder expectations.

On one hand there can be little sympathy for an industry that has remained until recently stubbornly resistant to change. On the other, there is some mitigation given the overall uncertainty surrounding the correct choice of green fuel; a decision that involves huge capital investment and risk.

For a shipowner, selecting the wrong green fuel could prove catastrophic to the business and there is no safety net. A wrong choice could simply result in a termination of business. Further, international leadership has been lacking. There has been no emergence of a singular dominant solution, no easy fix. On the contrary, there has been hesitation and delay, a ‘not on my watch’ philosophy. The clock is ticking, ‘tempus fugit’, as it invariably does, and the time available to find a solution is becoming ever less. NI / [Read more](#)

## NEWS REPORTS FROM AROUND THE WORLD

### CANADA: COAST GUARD PROTECTS COASTAL ECOSYSTEMS FOR LOCAL COMMUNITY

August 22 - The Government of Canada is committed to keeping our marine and coastal areas clean and safe for generations to come. The Canadian Coast Guard is proud to report that another large hazardous ship has been removed and is no longer a threat to the marine environment.

The Hamilton Banker was a 100’ steel fishing vessel which went aground in Colliers, Newfoundland during a winter storm in January 2020. The vessel was assessed and considered a pollution risk to the environment. The local community and environmental response teams were pleased to see the abandoned vessel successfully dismantled and towed away in June 2022.

In total, approximately 41,000 liters of fuel, lubricants and oily water mixtures was pumped from the vessel and the 711,000 lbs vessel, dismantled into approximately 17 sections, was removed from the marine environment. Canadian Coast Guard / [Read more](#)

### GERMANY HOSTS THE LARGEST OIL RESPONSE EXERCISE IN THE BALTIC

August 23 - The Bay of Mecklenburg and the beach of Warnemünde are the scene of the largest oil spill-response exercise in the Baltic Sea, BALEX, from 22nd until the 25th of August 2022. During this international exercise, multi-discipline specialists and crew members from countries in the Baltic Sea region train their skills on combating widespread oil spills. As the Baltic Sea is one of the most vulnerable sea areas in the world, it is crucial to prepare for the worst.

The organizing of BALEX exercises rotates annually between all bordering states of the Baltic Sea. This year Germany is the host country. [Central Command for Maritime Emergencies in Cuxhaven](#), responsible party for national maritime emergencies, leads the exercise.

About 400 specialists from different countries and 17 vessels are involved in the exercise, supported by helicopters and the German surveillance airplane “DO-228”. The regional cooperation has long roots. This year, international units consist of diverse organizations from Denmark, Estonia, Finland, Latvia, Lithuania, Poland and Sweden as well as the European Safety Agency (EMSA).

HELCOM / [Read more](#)

## MAURITIUS: MOL FOCUSES ON INITIATIVES TO RESTORE NATURAL ENVIRONMENT AFTER WAKASHIO OIL SPILL

August 23 - MOL announced its opening of a permanent website (Mauritius Website) featuring the MOL Group's activities to protect and restore the natural environment in the Republic of Mauritius.

MOL has been engaging in natural environmental protection and social contribution activities in Mauritius since the [July 2020 grounding of Wakashio](#), which resulted in a serious oil spill.

In June 2021, it established the "MOL Charitable Trust" in Mauritius to promote sustainability measures, and since then has worked closely with local communities on a range of support programs.

And in November 2021 it established an authorized public trust called the "MOL Mauritius International Fund for Natural Environment Recovery and Sustainability" in Japan, supporting long-term and large-scale projects.

Safety 4 Sea / [Read more and watch video](#)

## NIGERIA: 1,086 OIL SPILLS RECORDED IN SEVEN YEARS IN BAYELSA - NOSDRA

August 25 - "As a nation, we lose revenue, individuals lose livelihood because the oil will impact on areas where they either fish or farm and then it is also a loss to the oil companies and the environment."

The National Oil Spill Detection and Response Agency (NOSDRA) on Wednesday said 1,086 oil spills were recorded in Bayelsa State from 2015 to February 2022.

The Director-General, NOSDRA, Idris Musa, made this known when delegations from Connected Development (CODE) and OXFAM paid an advocacy visit to his office in Abuja.

Mr Musa said that out of the 1, 086 oil spill incidents recorded in Bayelsa, 917 were as a result of sabotage in the form of third party breakage of pipelines with hacksaw or outright blowing up of the pipelines. He said that communities in the area must protect oil installations and tackle such vandals, as their silence was causing harm to their environment. All Africa.com / [Read more](#)

## NIGERIA: INFORMATION CONCERNING THE OGOINI CLEAN UP IN NIGERIA

August 25 – Leader of ISCO's Students Group, Kayode Peter Balogun reports "The Project has surpassed the 80% mark and is going strong. Active operations for Phase 2 of Project have been ongoing for more than 1.5 years after a temporary halt due to Covid-19 restrictions in April 2020. Since then, the Project has sustained continuous progress and overcome various challenges to completion, while maintaining an exemplary health and safety record". Peter provided links for downloading and reading the newly issued Bodo Remediation and Revegetation Project's semi-annual newsletter. This is featured in the "New Publications" section of this issue of the ISCO Newsletter. [See Page 14](#)

## PERU COURT TO HEAR DAMAGES CASE AGAINST REPSOL OVER SPILL

August 25 - A Peruvian court on Wednesday agreed to hear a \$4.5 billion damages claim against Spanish energy giant Repsol and five other companies over a devastating oil spill the government described as an "ecological disaster."

Almost 12,000 barrels of crude spilled into the sea off Peru on January 15 as a tanker unloaded oil at a Repsol-owned refinery.

Peru said at least 5,000 fisherman and shopkeepers lost their livelihoods due to the polluted sea and beaches.

The country's INDECOPI consumer rights agency is seeking \$3 billion for environmental damage to Peru's coast, and another \$1.5 billion as compensation to consumers, locals and others affected by the disaster. Macao Business / [Read more](#)

## SYRIA: OIL SMUGGLING WORSENS POLLUTION IN EUPHRATES RIVER

August 21 – The residents living near the Euphrates River in northeast Syria are suffering the consequences of water pollution mainly caused by oil spills resulting from smuggling operations between the areas held by the Kurdish forces and the Syrian government.

Black oil spills are spotted on the banks of the Euphrates River in Syria, near the oil smuggling points between the areas controlled by the Kurdish-led Syrian Democratic Forces (SDF) and the Syrian government-held areas.

The Euphrates River, the longest in Western Asia and once the main drinking water source in the provinces of the Syrian al-Jazira region, is facing a real catastrophe in light of the soaring rates of pollutants in its water. The river stretches inside the Syrian territories over 610 kilometers (379 miles), flowing inside Syria from Jarablus city near the border with Turkey, passing through Raqqa and Deir ez-Zor and ending in al-Bukamal to pour toward the Iraqi territory.

The river's pollution in Syria is traced back to several causes. The unstable area in northeastern Syria is controlled by several armed organizations, amid worsening social and service conditions. Al-Monitor / [Read more](#)

### USA: LATEST NEWS REPORTS FROM NOAA OR&R

August 22 – Please click on the links below to download and read the latest news reports from NOAA OR&R

<https://response.restoration.noaa.gov/groundbreaking-riverside-park-restoration-project-east-newark-new-jersey>

On Aug. 12, Sam Rauch, NOAA Fisheries Deputy Assistant Administrator for Regulatory Programs, spoke on behalf of NOAA at the BASF Corporation's Groundbreaking for the East Newark Riverfront Park project in East Newark, New Jersey.

<https://response.restoration.noaa.gov/new-project-begins-address-science-pfas-during-oil-spill-response>

Later this year and in 2023, a cross-divisional team within OR&R will address the science of per- and poly-fluorinated substances (PFAS) in aqueous fire-fighting foams (AFFF). PFAS are often called "forever chemicals" because they are highly persistent in the environment. The OR&R team will prepare a training module on these hazardous chemicals for the Science of Oil Spills training class and a "response-ready" science brief that can be used by emergency responders.

<https://response.restoration.noaa.gov/congressional-staff-visit-noaa-s-western-regional-center>

OR&R staff met with congressional committee staffers from the U.S. House Space, Science, and Technology Committee, as well as a staff member from the U.S. Senate Appropriations Committee – Commerce, Justice, Science, and Related Agencies Subcommittee at the NOAA Western Regional Center on Aug. 8, 2022.

<https://response.restoration.noaa.gov/orrs-disaster-preparedness-program-and-co-ops-exercise-curby>

On July 26, 2022, OR&R's Disaster Preparedness Program and the Center for Operational Oceanographic Products and Services (CO-OPS) partnered to exercise the Real-Time Currents and Meteorological Buoys (affectionately known as CURBY).

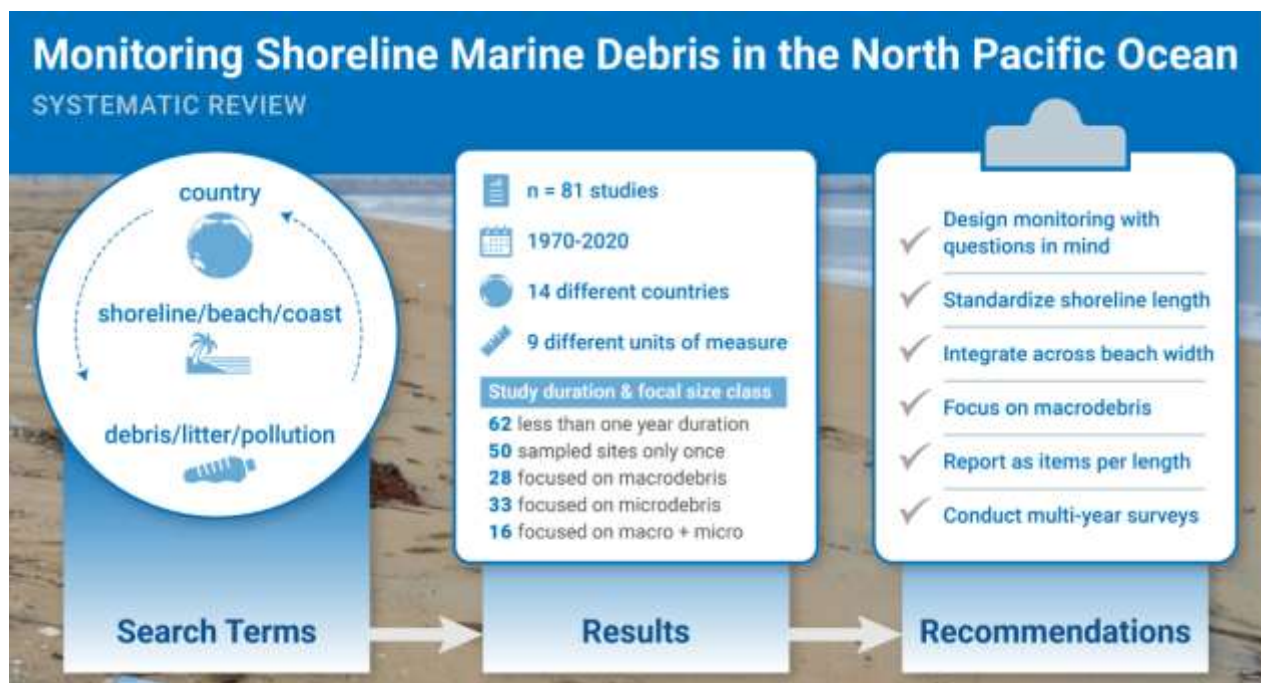
<https://response.restoration.noaa.gov/updating-aerial-observation-capacity-current-technology>

One of the primary ways OR&R supports the U.S. Coast Guard during oil spills is by providing trajectories (oil spill transport forecasts) which help in determining where the oil will go so that the appropriate response (cleanup or protection) strategies can be planned for and implemented.

Conducting routine overflights to collect timely observations of oil conditions (location, extent, characteristics) is critical to updating and improving the accuracy of those trajectories. NOAA scientific support coordinators and other trained aerial observers in OR&R's Emergency Response Division are often tasked to conduct these overflights and pass observations to the oceanographers who are continually updating the trajectories.

<https://response.restoration.noaa.gov/new-publication-reviews-shoreline-debris-data-north-pacific-ocean>

On Aug. 16, 2022, a new NOAA publication, "[Towards a North Pacific long-term monitoring program for ocean plastic pollution: A systematic review and recommendations for shorelines](#),(link is external)" was published in the journal Environmental Pollution. The publication reviews published data on shoreline debris abundances across the North Pacific Ocean and makes recommendations for harmonizing monitoring efforts in this region. NOAA Marine Debris Program staff Amy V. Uhrin and Hillary Burgess are co-authors together with researchers from the Korea Marine Litter Institute, the Republic of Korea Naval Academy, and NOAA National Marine Fisheries Service Southeast Fisheries Science Center.





## NEWS REPORTS FROM AROUND THE WORLD (CONTINUED)

<https://response.restoration.noaa.gov/orr-supporting-response-sargassum-st-croix-us-virgin-islands>

On July 27, 2022, the Federal Emergency Management Agency requested NOAA scientific support for a declared emergency on St. Croix in the U.S. Virgin Islands due to impacts on the island's water supply from high concentrations of sargassum.

Sargassum is a large brown seaweed (a type of algae) that spends its life on the ocean's surface and floats in large masses without attaching to the seafloor. Sargassum is widespread, variable, and abundant seasonally in the tropical Atlantic, but an unusually large influx of the material on the island's shores had begun affecting the desalination plant that is St. Croix's primary source of water.

### USA: EPA PROPOSES STRONGER CHEMICAL SAFETY REGULATIONS

August 23 - The Environmental Protection Agency, or EPA, unveiled a proposal last week to [bolster chemical safety requirements](#), restoring and strengthening a suite of regulations that were stripped away by the Trump administration.

The 225-page [proposed rule](#) — which would amend the agency's Risk Management Program, a federal program that regulates some 12,000 industrial facilities across the U.S. — would compel companies to disclose more information about their use of hazardous chemicals. In the event of a spill or other disaster, it would require third-party audits and "root cause" analyses to figure out what went wrong. Grist / [Read more](#)

### YEMEN: HSA PLEDGES \$1.2 MLN TO U.N. DRIVE TO AVERT TANKER OIL SPILL

August 25 - Yemen's HSA Group on Thursday became the first private entity to pledge funds for a United Nations operation to avoid an oil spill from a tanker stranded off the coast of Yemen, as the U.N. urgently tries to secure an initial requirement of \$80 million.

The international organisation, which has so far raised over \$60 million, has warned that the Safer, stranded since 2015 off a Red Sea oil terminal, could spill four times as much oil as the 1989 Exxon Valdez disaster near Alaska. Reuters / [Read more](#)

## PEOPLE IN THE NEWS NEWS

### DR KEN LEE IS RETIRING



August After 40 years advancing science in support of oil spill response in Canada and around the world - Over this time, he has become recognized as a world expert on oil spill science. His high productivity, including over 500 peer-reviewed publications, superior knowledge, and excellent networking, communication and management skills has resulted in major advances to oil spill science and technology, the establishment of a world-class international research network and the development of new research capacity, partnerships and expertise in Canada and world-wide.

Despite countless attempts to recruit him by organizations around the world, he spent most of his career with Canada's DFO, except for a 4 year stint as Director of Oceans and Atmosphere at CSIRO in Australia. Some highlights of his career include the founding of the Centre for Offshore Oil, Gas and Energy Research (COOGER) and the establishment of the MPRI at DFO, providing advice on numerous major oil spill incidents around the world (including Deepwater Horizon), chairing of a Royal Society of Canada Expert Panel on oil spills, and four appointments on US National Academies of Sciences committees. These along with his dedication to building the next generation of scientists, where he has gone above and beyond to mentor, advise and provide opportunities for students and young professionals, highlights his long-lasting legacy to advancing oil spill science, preparedness and response around the world.

The whole MPRI community congratulates Ken on his retirement and thanks him for his contributions to oil spill science and response in Canada and internationally – his impact will be felt for years to come. MPRI Canada / [Read more](#)

## NEWS FROM ISCO MEMBERS

Corporate Members and Industry Partners of ISCO can submit news about new products and services in the "News from ISCO Members" section of the ISCO Newsletter. This is a free facility for Corporate Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 50 countries, it's a cost-effective way to promote your organisation.

If you have some news you would like to share with readers of the ISCO Newsletter, send it to [John.McMurtrie@spillcontrol.org](mailto:John.McMurtrie@spillcontrol.org)

### OSRL: THE OILED WILDLIFE ASSESSMENT SERVICE FROM GOWRS GOES LIVE! INTRODUCING A NEW WILDLIFE SERVICE FOR OSRL MEMBERS

August 19 - An MoU signing between OSRL and the Global Oiled Wildlife Response Service (GOWRS) Network at Interspill 2022 paved the way for the Oiled Wildlife Assessment Service to go live on a 'best endeavours' basis in July. This article provides an

## NEWS FROM ISCO MEMBERS

overview of what that means for our Members in practice.

**What wildlife services are included in the OSRL Service Level Agreement (SLA)? In total there are now three elements to the SLA Wildlife Services:**

1. Continued guaranteed access to Technical Advice from Sea Alarm – 2 x Technical Advisers with the option to mobilise 1 x on-site
2. Oiled Wildlife Assessment Service from GOWRS – a 4-person team delivered by a network of leading wildlife response organisations (currently available on a 'best endeavours' basis), and
3. Continued guaranteed access to Tier 3 wildlife response equipment – standardised across our four surface operations bases.

**What is the new Oiled Wildlife Assessment Service from GOWRS?** - The GOWRS Oiled Wildlife Assessment Service is a ready-to-deploy 4-person team delivered by a network of 10 leading wildlife response organisations (see below for more details). The four-person team will initially deploy for four days to provide an on-the-ground technical assessment of wildlife response needs and the professional capabilities of local responders. The team will inform the client of the feasibility of a full-scale professional response and the details of the GOWRS expertise that is available to deliver to the scale of such a response.

Achieving a live status for the GOWRS Service represents over a decade of hard work and dedication by many individuals and organisations, including OSRL, Sea Alarm and the GOWRS Partners, to create stronger ties between the global oiled wildlife response community and to develop a framework for Tier 3 response that could be integrated into industry response structures.

The GOWRS network currently consists of: Aiuká (Brazil), Focus Wildlife International (U.S.A.), International Bird Rescue (U.S.A.), Oiled Wildlife Care Network/UC Davis (OWCN) (U.S.A.), PRO BIRD (Germany), the Royal Society for the Prevention of Cruelty to Animals (RSPCA), (U.K.), South African Foundation for the Conservation of Coastal Birds (SANCCOB) (South Africa), Tri State Bird Rescue & Research (U.S.A.), WILDBASE/Massey University (New Zealand), and Wildlife Rescue Centre Ostend (Belgium).

### Sea Alarm Technical Advisers



**What is the difference between the existing Sea Alarm Technical Advisory Service and the new Oiled Wildlife Assessment Service from GOWRS?** – Two Sea Alarm experts provide instant strategic and tactical advice following the notification and mobilisation by a client. They assist with the collection of relevant pre-spill collected information and identify in-country and regional resources using their global database and network. If mobilised into country the on-site Sea Alarm Technical Adviser advises the Environment Unit in the Planning Section and assists with setting up the Wildlife

Branch and coaching its tactical decision-making. Sea Alarm supports the development of the wildlife section of the Incident Action Plan and assists with the identification, mobilisation and integration of regional and international resources.

### GOWRS Assessment Team



Please join our Member Q&A session on Thursday 8th September at 14:00 UTC to find out more about the Wildlife SLA Services and how they can support Member preparedness and response for wildlife emergencies. Click [here](#) to register.

A slide deck summarising the 3 x elements of the Wildlife SLA Services (including GOWRS) is available and can be downloaded [here](#).

[Editor: Because of space limitation this article from OSRL has been significantly shortened. To view the complete version, which provides much more additional information, please [HERE](#) ]



If you are interested in new technology you might find it useful to visit Technology Innovation News Survey at <https://clu-in.org/products/tins/> and Tech Direct at <https://clu-in.org/techdirect/archive/>

### REMOVING PHARMACEUTICAL POLLUTANTS WITH BIOCHAR

August 18 - A new study in the journal *Sustainability* has reviewed the applications of biochar for pharmaceutical pollutant removal strategies. Scientists from the North China University of Science and Technology, Zhengzhou University, and Tangshan Sanyou Group in China have contributed to the research.

Removal Strategies - The scale of the issue has motivated researchers in the past few decades to develop efficient and cost-effective strategies to remove pharmaceutical products from effluent streams and other contaminant pathways. Chemical, physical, and microbial treatments have been developed, although due to the inhibitory effect drugs like antibiotics have on bacterial activity, microbial methods possess reduced efficiency. AZO Materials / [Read more](#)

### RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS



#### A COLUMN CREATED BY DR. MERV FINGAS, MEMBER OF ISCO COUNCIL

This is part of a weekly column which provides the references and abstracts of new peer-reviewed scientific publications on oil spills. These references are selected on the basis of those papers that provide new insights into the fate, effects and control of oil spills. Readers may choose to obtain the full publications and to do so, one of three methods is suggested; contact your library, search the internet with the DOI (digital object identifier) provided, or search the internet for the exact title. These are given in the order of likely success in obtaining the article. Merv Fingas, ISCO Colleague.

#### 114. Fate of Methane Released From a Destroyed Oil Platform in the Gulf of Mexico

Silva, M., Roa, C., Ali, N.B.H., O'Reilly, C., Abichou, T., MacDonald, I.R. (2022)  
Frontiers in Earth Science, 10, art. no. 833661,  
DOI: 10.3389/feart.2022.833661

**ABSTRACT:** In 2004, destruction of a Gulf of Mexico oil platform by Hurricane Ivan initiated a discharge of oil and gas from a water depth of 135 m, where its bundle of well conductors was broken below the seafloor near the toppled wreckage. Discharge continued largely unabated until 2019, when findings partly reported herein prompted installation of a containment device that could trap oil before it entered the water column. In 2018, prior to containment, oil and gas bubbles formed plumes that rose to the surface, which were quantified by acoustic survey, visual inspection, and discrete collections in the water column. Continuous air sampling with a cavity ring-down spectrometer (CRDS) over the release site detected atmospheric methane concentrations as high as 11.7, ~6 times greater than an ambient baseline of 1.95 ppmv. An inverse plume model, calibrated to tracer-gas release, estimated emission into the atmosphere of 9 g/s. In 2021, the containment system allowed gas to escape into the water at 120 m depth after passing through a separator that diverted oil into storage tanks. The CRDS detected transient peaks of methane as high as 15.9 ppmv while oil was being recovered to a ship from underwater storage tanks. Atmospheric methane concentrations were elevated 1–2 ppmv over baseline when the ship was stationary within the surfacing plumes of gas after oil was removed from the flow. Oil rising to the surface was a greater source of methane to the atmosphere than associated gas bubbles.

#### 115. Fluorometric Detection of Oil Traces in a Sea Water Column

Baszanowska, E., Otremba, Z. (2022)  
Sensors, 22 (5), art. no. 2039  
DOI: 10.3390/s22052039

**ABSTRACT:** This study focuses on broadening the knowledge of a fluorometric index to improve the detection of oil substances present in the marine environment. It is assumed that the value of this index will provide information about a possible oil discharge at some distance from the sensor. In this paper, the detection of oil present in seawater as a mixture of oils such as fuel, lubricate oil, or crude oil based on a fluorescence indicator-fluorometric index (Flo/w) is discussed. Flo/w was defined based on specific excitation and emission wavelengths coming from the obtained excitation–emission spectrum (EEM) of oil-free seawater and, in parallel, the same water but artificially polluted with oil. For this, measurements of a mixture of oils in seawater for an oil-to-water ratio in the range from  $50 \times 10^{-9}$  to  $200 \times 10^{-9}$  as well as oil-free seawater were performed. Laboratory measurements continued five times in months in the summer season with the coastal waters of the southern Baltic Sea (last spring, summer, and early autumn). The dependence of Flo/w on the presence of oil in seawater, the oil-in-water ratio, as well as months of the considered season has been demonstrated.

**116. Impact of oil–sediment interaction on transport of underwater spilled oil in the Bohai Sea,**

Li, Y., Cao, R., Chen, H., Mu, L., Lv, X. (2022)  
*Ocean Engineering*, 247, art. no. 110687,  
 DOI: 10.1016/j.oceaneng.2022.110687

**ABSTRACT:** Based on a validated underwater oil spill model and validated ocean hydrodynamic background, the influence of oil–sediment interaction on the transport of underwater spilled oil is investigated through numerical experiments. Numerical result shows that interaction between oil and suspended sediment can form oil–sediment aggregates (OSAs), which can significantly decrease the amount of surface oil and increase the amount of underwater oil and its sweeping volume under certain conditions. Sensitivity of the model output (in terms of oil in OSAs, underwater oil amount, surface oil amount, and sweeping volume) to input factors (including oil spill volume, sediment diameter, and sediment concentration) is further investigated quantitatively through numerical experiments, which shows that increasing oil spill volume and sediment concentration and reducing sediment diameter can promote oil–sediment interaction. Among the three input factors, oil spill volume is the most sensitive factor, followed by sediment concentration and sediment diameter. This study is expected to provide useful information for spilled oil monitoring, contingency planning, and environmental damage assessment.

**117. Using beached bird data to assess seabird oiling susceptibility**

Waugh, J.K., Jones, T., Parrish, J.K.  
 (2022) *Marine Pollution Bulletin*, 176, art. no. 113437,  
 DOI: 10.1016/j.marpolbul.2022.113437

**ABSTRACT:** Oil spills can cause severe impacts on seabirds, the extent of which varies by species. We investigated taxon-specific susceptibility using data from the Nestucca and Tenyo Maru oil spills in the northeast Pacific together with seasonally and spatially overlapping baseline beached bird abundance data collected over a 17-year time-period. Multivariate analyses revealed patterns of variation between spill and non-spill data, primarily driven by differences in the relative abundance of common murre (Uria aalge) and northern fulmars (Fulmarus glacialis). In subsequent susceptibility analyses, alcid (Alcidae spp.) carcasses were generally overrepresented in spill data, while gulls (Larus spp.), tubenoses (Procellariiformes spp.), and cormorants (Phalacrocoracidae spp.) were generally under-represented. We found that the baseline data had high variability, suggesting a need for many years of baseline data. We propose that where appropriate baseline data exists, this method can be employed to investigate the seabirds most vulnerable to oiling.

**118. Assessing the exposure risk of large pelagic fish to oil spills scenarios in the deep waters of the Gulf of Mexico**

Romo-Curiel, A.E., Ramírez-Mendoza, Z., Fajardo-Yamamoto, A., Ramírez-León, M.R., García-Aguilar, M.C., Herzka, S.Z., Pérez-Brunius, P., Saldaña-Ruiz, L.E., Sheinbaum, J., Kotzakoulakis, K., Rodríguez-Outereño, J., Medrano, F., Sosa-Nishizaki, O. (2022)  
*Marine Pollution Bulletin*, 176, art. no. 113434,  
 DOI: 10.1016/j.marpolbul.2022.113434

**ABSTRACT:** Exposure risk is assessed based on modeling suitable habitat of large pelagic fish and oil spill scenarios originating at three wells located in the western GM's deep waters. Since the fate of the oil depends on the oceanographic conditions present during the accident, as well as the magnitude and duration of the spill, which are not known a priori, the scenarios used are a statistical representation of the area in which oil spilled from the well could be found, given all possible outcomes. The ecological vulnerability assessment identified a subset of bony fish with low-medium vulnerability and elasmobranchs with medium-high vulnerability. The oiling probability and exposure risk of both bony fish and elasmobranchs hotspots vary by well analyzed. Thus, these results provide essential information for a risk management plan for the assessed species and others with economic or conservation importance distributed in the GM and worldwide.

**119. The most extensive oil spill registered in tropical oceans (Brazil): the balance sheet of a disaster,**

Soares, M.O., Teixeira, C.E.P., Bezerra, L.E.A., Rabelo, E.F., Castro, I.B., Cavalcante, R.M. (2022)  
*Environmental Science and Pollution Research*, 29 (13), pp. 19869-19877.  
 DOI: 10.1007/s11356-022-18710-4

**ABSTRACT:** This article presents a synthesis of information about the massive oil spill in Brazil (2019/2020). The event affected 11 states; however, the majority of the oil residue was collected (~ 5380 tons) near nine states (99.8%) in northeastern Brazil. This spill was not the largest in volume (between 5000 m<sup>3</sup> and 12,000 m<sup>3</sup>) recorded in tropical oceans, but it was the most extensive (2890 km). This spill develops an overwashed tar that remains mostly in the undersurface drift (non-floating oil plume) below 17 m of depth while on the continental shelf. Ten ecosystems were impacted, with potentially more severe effects in mangroves and seagrasses. Certain negative effects are still understudied, such as effects on tropical reefs and rhodolith beds. A total of 57 protected areas in seven management categories were affected, most of which (60%) were characterized as multiple-use regions. The spill affected at least 34 threatened species, with impacts detected on plankton and benthic communities. Acute impacts were reported on echinoderms, coral symbionts, polychaetes, and sponges with evidence of oil ingestion. Socioeconomic impacts were detected in food security, public health, lodging, gender equality, tourism, and fishing, with reduced sales, prices, tourist attractiveness, gross domestic product, and employment. Moreover, chemical contamination was detected in some states by toxic metals (Hg, As, Cd, Pb, and Zn) and polycyclic aromatic hydrocarbons (acenaphthalene, fluoranthene, fluorene, naphthalene, and phenanthrene). This summary aims to aid in the design of science-based strategies to understand the impacts and develop strategies for the most extensive spill observed in tropical oceans.

### 120. Morphological and cardiac alterations after crude oil exposure in the early-life stages of the tropical gar (*Atractosteus tropicus*)

Córdova-de la Cruz, S.E., Martínez-Bautista, G., Peña-Marín, E.S., Martínez-García, R., Núñez-Nogueira, G., Adams, R.H., Burggren, W.W., Alvarez-González, C.A. (2022)  
Environmental Science and Pollution Research, 29 (15), pp. 22281-22292.  
DOI: 10.1007/s11356-021-17208-9

**ABSTRACT:** Fish development can be affected by environmental pollutants such as crude oil (anthropogenic or natural sources), causing alterations especially in cardiac function and morphology. Most such studies have focused on saltwater species, whereas studies in freshwater fishes are scant. The objective of the current study was to evaluate the effects of crude oil exposure (as 0, 5, 10, 15, or 20% high-energy water accommodated fractions, HEWAF) on cardiac function and edema formation during two early periods of development (embryo and eleutheroembryo, 48 h each) individually using the tropical gar *Atractosteus tropicus* as a model. Embryos did not exhibit alterations in body mass, total length, condition factor, and cardiac function as a function of oil. In contrast, eleutheroembryos proved to be more sensitive and exhibited increased body mass, total length, and condition factor, decreased heart rate and phenotypic alterations such as cardiac dysmorphia (tubular hearts) and spine curvature at high concentrations of HEWAF. Moreover, edema formation was observed in both stages. This study shows different functional responses of *A. tropicus* after crude oil exposure and provides useful information of the developmental impacts of these compounds on the early life stages of freshwater tropical fishes.

## TRAINING COURSES

### USEFUL LINKS

- INTERNATIONAL – IMO E-LEARNING PLATFORM [e-learning platform](#)
- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- EUROPE – EMSA Academy 2022. [Courses Catalogue](#)
- FRANCE - CEDRE - Click on these links [training catalogue](#) and [2022 calendar](#).
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>
- UK & WORLDWIDE – BRIGGS ENVIRONMENTAL SERVICES LTD. - <https://www.briggsmarine.com/services/training/>
- UK – NCEC HAZMAT ACADEMY – [More info](#)
- USA – TEXAS A&M UNIVERSITY – NATIONAL SPILL CONTROL SCHOOL <https://www.tamucc.edu/research/nscs/>
- USA – MPC, DETROIT - <https://marinepollutioncontrol.com/services/training-and-compliance>
- USA – ALLIANCE OF HAZARDOUS MATERIALS PROFESSIONALS - [https://www.ahmpnet.org/events/event\\_list.asp](https://www.ahmpnet.org/events/event_list.asp)

Members who would like to be listed here, please contact your editor – [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org)

### CERTIFICATE IN MARITIME SAFETY MANAGEMENT & THE ISM CODE

From Lloyds Maritime Academy - Course commences 28th September 2022. [More info](#)

### USA: OHMSETT - OIL SPILL RESPONSE STRATEGIES & TACTICS TRAINING

During the 3 ½ days of training, you will learn the strategies and tactics for successful spill response operations. Course Topics: Factors affecting oil spill movement + Fates & effects of spilled oil + Oil skimmer & containment boom selection & use + Booming & recovery strategies + Site safety planning + Incident Command System (ICS) + Alternative response techniques + Shoreline Characterization



## TRAINING COURSES (CONTINUED)

(Introduction to SCAT) + And More! September 20 - 23, 2022 - Tuesday - Thursday: 8:00 AM - 4:00 PM Friday: 8:00 AM - 1:00 PM;  
[Register](#)

### FREE ONLINE SPCC TRAINING

HalenHardy's Oil Handler Annual Refresher Training is divided into six easy-to-digest microlearning modules. [More info](#)

## UPCOMING EVENTS

TO VIEW UPCOMING EVENTS CLICK ON [HTTPS://SPILLCONTROL.ORG/UPCOMING-EVENTS/](https://spillcontrol.org/upcoming-events/)

To see ALL of the posted events you will need to click on "LOAD MORE" at the foot of each opened "upcoming events" page. Event organisers are requested to notify ISCO immediately if a listed event is cancelled or postponed. Your Editor does his best to keep the listing up-to-date but it should not be assumed that listed events have not been cancelled or postponed. It is recommended that you check with event organisers before finalising your attendance plans. Please advise the Editor if any of the entries require correction or updating. If you are holding an event you would like to be featured here, please send details to [John.mcmurtrie@spillcontrol.org](mailto:John.mcmurtrie@spillcontrol.org)

### NEWLY ADDED TO THE UPCOMING EVENTS PAGE

- Singapore – Mepseas Technology Conference, November 15-17, 2022
- Electricity Substation Design & Oil Containment Solutions, September 13, 11am to 12 noon EDT

### RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- ALGA Webinar – Latest Advances in Managing PFAS in Fire System Foam Transition, Online, Sept 1, 2022
- EM OSR Knowledge Transfer Webinar "The BIOS & ITOSS Shoreline Field Experiments" Dr Ed Owens - September 6
- Lecture: NOAA OR&R 101 Series: Oil Spill Fate and Transport, Sept 15 1200 pm PDT
- OSRL: TPR Wheel Seminar Series – Shoreline Assessment Technique (SCAT) , Wednesday 28<sup>th</sup> September 1400 BST

WHEN YOU OPEN THE UPCOMING EVENTS PAGE YOU WILL SEE MANY MORE UPCOMING EVENTS

## MESSAGES FROM EVENT ORGANISERS

### INDIA: SPILLTECH CONFERENCE & EXHIBITION, 21-23 SEPTEMBER, 2022

To support the Sustainable Development Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development, SpillTech will cover a wide range of topics revolving around prevention, mitigation & probable solutions to save the environment from any catastrophic disasters. Apart from the policy & regulatory updates, the event topics will revolve around oil & chemical spills, Ocean Debris, Waste & Solid waste management, Shoreline cleanup, Risk mitigation & a few more.

For ISCO Members a 10% discount on Registration Fee. <http://spilltech.org/> [Download event brochure](#) [Submit your abstract](#)

### FRANCE: SEA TECH WEEK 2022

Sea Tech Week®, Marine Science & Technology Conference - 26-30 September 2022, Brest, France – More info - <https://www.seatechweek.eu/>

### CANADA: INTERNATIONAL OIL SPILL SCIENCE CONFERENCE 2022 – OCTOBER 4-7

IOSSC 2022 REGISTRATION IS OPEN -Attendees will be able to connect with the oil spill response community, government, industry, and academia to work together to deal with the challenges in the field of oil spill response. The conference will bring experts from around the world to present their latest research in the field of oil spill science including spill prevention, contingency planning, and environmental rehabilitation.

Register before August 31, 2022 to pay our early bird rates. [Preliminary Conference Programme](#) [Registration](#) Website: <https://sites.events.concordia.ca/sites/mpri/en/international-oil-spill-science-conference-2022/> [View Official Event Video](#)

### BAHREIN: RECSO ENVIROSPILL CONFERENCE & EXHIBITION, 11-13 OCTOBER 2022

<https://www.recsoenvirospill.org/>

### USA: CLEAN GULF CONFERENCE & EXHIBITION – NOVEMBER 8-10, 2022

#### PRELIMINARY CONFERENCE AGENDA

Welcome and Opening Keynote (Open to All Attendees) WEDNESDAY, NOVEMBER 8 10:45 AM - 12:15 PM - Kevin M. Sligh Sr. MBA, CEM, Director, Bureau of Safety and Environmental Enforcement (BSEE) Kevin M. Sligh Sr. is the Director of the Bureau of Safety and Environmental Enforcement, Department of Interior. He joined BSEE on March 28, 2022, and leads the bureau in its mission to

## MESSAGES FROM EVENT ORGANISERS (CONTINUED)

promote safety, protect the environment and conserve offshore energy resources through the regulatory oversight and enforcement. [View Exhibition Contract](#) [View Conference Sessions](#) [Register for Clean Gulf](#)

### ITALY: ECOMONDO EXPO, RIMINI, 8-11 NOVEMBER, 2022

Let's meet at Ecomondo! [Log in to the reserved area, fill in your data, download your ticket](#)

### AUSTRALIA: ALGA GROUNDWATER FATE & TRANSPORT SYMPOSIUM

ALGA's Groundwater Fate & Transport Special Interest Group (SIG) is pleased to announce the 2022 Groundwater Fate & Transport symposium will be held in Melbourne on 18 November 2022. The symposium aims to share the latest insights, developments and applications for improving our understanding of contaminant behaviour in the environment.

<https://www.cvent.com/c/abstracts/e9e34139-c7a0-4969-88b9-e2cfb510baab>

### USA: CALIFORNIA -10TH BIENNIAL OIL SPILL RESPONSE TECHNOLOGY WORKSHOP FEBRUARY/MARCH 2023

California Department of Fish and Wildlife Office of Spill Prevention and Response (OSPR) and Chevron 10<sup>th</sup> Biennial Oil Spill Response Technology Workshop February/March 2023 in California (TBD). **Inviting short abstracts by August 25th, 2022** for field or video demonstrations, and or traditional lecture presentations. Email or request more info: [TechWorkshop2023@wildlife.ca.gov](mailto:TechWorkshop2023@wildlife.ca.gov)

### NORWAY: NOSCA SEMINAR 2023: MARCH 20-24, 2023

The green shift challenges: New oils and new energy carriers. Marine littering. Biological threats [Registration](#)

### USA: COLORADO - CLEAN WATERWAYS 2023: 11-13 APRIL, 2023

Now Open: CLEAN WATERWAYS 2023 Call for Presentations, The CLEAN WATERWAYS program is developed by a government/industry-based committee of approximately 45 professionals, and the committee is looking for leaders to help shape the conference. All abstracts submitted are reviewed for content and relevance by the committee and are selected by consensus.

[More News re conference & abstract submission](#)

### AUSTRALIA: BRISBANE - SPILLCON 2023: 11-15 SEPTEMBER 2023

We are delighted to announce that Spillcon 2023 has been confirmed for 11–15 September 2023 at the Brisbane Convention and Exhibition Centre, Queensland, Australia. For more information contact Spillcon Event Team, Nicky Reading, GPO Box 279, Canberra ACT 2601, Australia; Phone +61 417 244 355, Email [spillcon@aip.com.au](mailto:spillcon@aip.com.au)

## CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

### INTERNATIONAL OPEN TENDER NOTIFICATION SERVICE

This is a subscription service. <https://www.tender247.com/keyword/oil+spill+tenders+global>

### OTHER OPPORTUNITIES: USA & EUROPE

US Government solicitations are frequently posted in Technology Innovation News Survey <https://clu-in.org/products/tins/> US EPA Tech Direct <https://clu-in.org/techdirect/archive/> and USA Federal Contracts Update <https://clu-in.org/Federal-Contract-Opportunities> European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter <https://www.emsa.europa.eu/newsroom/newsletters.html>

## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

### TO VIEW LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS PLEASE CLICK ON

<https://spillcontrol.org/2021/10/19/links-for-downloading-and-reading-other-publications/>

As a service to its Members ISCO provides a listing of publications that may be of interest to our community. This page provides details and links for downloading more than 40 publications most of which can be accessed at no cost. This page is frequently updated. ISCO depends on regular receipt of updated URL links for listed publications. If these are not received, relevant entries will be discontinued. ISCO is currently looking for a volunteer to take care of maintaining, improving and updating this page.

## NEW PUBLICATIONS

### NIGERIA: PHASE 2 BODO PROJECT UPDATE – AUGUST 2022



Highlights include -

- Project Update
- More Community Workers trained in Oil Spill Clean-Up
- Project readies for massive Seedling Planting
- Waste Tracking
- BODO Project as a successful model for UNEP/HYREP
- SPDC Fund released to Bodo

Bodo Project approaches 85% completion of Remedial Activities

Active operations for Phase 2 of Project have been ongoing for more than 1.5 years after a temporary halt due to Covid-19 restrictions in April 2020. Since then, the Project has sustained continuous progress and overcome various challenges to completion, while maintaining an exemplary health and safety record.

To download and read the Newsletter, Click on

<https://drive.google.com/uc?export=download&id=182tWV0YntO4iAmrCNU6xCxag5WIX95G3>

To read only, click on <https://drive.google.com/file/d/182tWV0YntO4iAmrCNU6xCxag5WIX95G3/view?usp=sharing>

### REMPEC: NEW STUDY | TRENDS AND OUTLOOK OF MARINE POLLUTION

August 23 - The STUDY ON TRENDS AND OUTLOOK OF MARINE POLLUTION from ships and activities and of maritime traffic and offshore activities in the Mediterranean compiled knowledge about maritime traffic and offshore O&G activities and their impacts on the marine environment, focusing on five main aspects: pollution from oil and chemicals, marine litter, air pollution, non-indigenous species (NIS) and underwater noise.

[More details and links for downloading English and French language versions of the new study](#)

### CANADA - MULTI-PARTNER RESEARCH INITIATIVE LATEST 2022 NEWS

Improving Oil Spill Response Technology in Canada - In This Issue

Synthesis & Legacy Update

International Oil Spill Science Conference 2022

Field-Scale Decanting Technology Trial

Modernizing Oil Toxicity Testing Protocols

Dissolving Oil in a Sunlit Sea: New Insights into the Impacts of Sunlight-driven Chemistry on Oil Fate

Towards a Cleaner Future for the Oceans: Oil Detection using AUVs

Awards & Recognitions

Dr. Ken Lee is Retiring

[Download and read the latest news](#)

## INCIDENT REPORTS

### USA: WASHINGTON - OIL SPILL RESPONSE CONTINUES FOR SUNKEN FISHING VESSEL

August 22 - A Unified Command continues to respond to a sunken commercial fishing vessel that has spilled diesel fuel west of San Juan Island in Washington.

Watchstanders at Coast Guard Sector Puget Sound were notified at approximately 2 p.m. on Sunday, August 14, that the fishing vessel Aleutian Isle was taking on water and in need of emergency assistance in the vicinity of Sunset Point near the U.S.-Canadian border, east of Victoria, B.C. All five crewmembers were rescued by a good samaritan as the vessel sank in about 100 feet of water.

The 49-foot Aleutian Isle was reported to have 2,500 gallons of diesel on board at the time of the sinking, with approximately 100 gallons of motor oil and other oils. gCaptain / [Read more](#)

### USA: MICHIGAN – TWO DIESEL OIL SPILLS

August 23 - A barge spilled hundreds of gallons of diesel fuel into a Lake Michigan waterway Sunday night.



## INCIDENT REPORTS (CONTINUED)

Workers on the barge were transferring fuel from a cargo tank to another fuel tank. The tank was overfilled and up to 800 gallons of fuel spilled into Burns Harbor. WFYI / [Read more](#)

**August 25** - Crews work to clean up diesel spill into Detroit River from closed Trenton hospital - Clean-up efforts are continuing on Thursday following yet another oil spill impacting our local waterways. Officials say red-dye diesel from a closed hospital in Trenton leaked into the Detroit River earlier this week.

The U.S. Environmental Protection Agency and the Michigan Department of Environment, Great Lakes, and Energy are aware and clean-up efforts are underway. WXYZ / [Read more](#) [Thanks to Marc Shaye, ISCO Executive Committee]

## EGYPT & JORDAN TACKLE OIL SPILL FROM RO-RO IN RED SEA

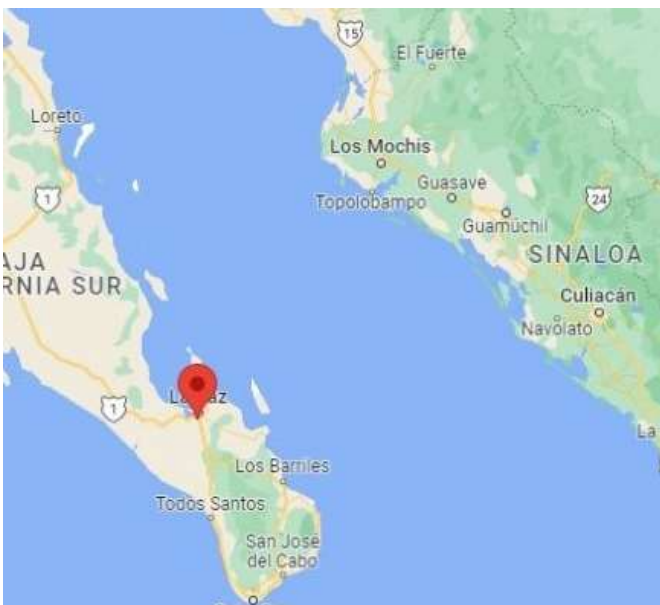
August 24 - Authorities in Egypt and Jordan are dealing with an oil spill from a ro-ro in the Red Sea. The fuel leaked from the 190-lane-metre Flower of Sea (built 1987), polluting parts of the Aqaba coast and waters in nearby countries, Jordanian officials said on Tuesday. Spill reported after chemical tanker and cargo ship collide off Japan. No information has been given about the size of the spill. Trade Winds / [Read more](#)

## USA: NORTH DAKOTA - OILFIELD WASTEWATER LINE SPILLS IN NORTHWEST

August 24 - North Dakota regulators are investigating a massive spill of oilfield wastewater from a broken pipeline in the northwest part of the state that they say could take more than a year to clean up.

Karl Rockeman, of the state Department of Environmental Quality, said Monday that New York-based Hess Corp., the pipeline's owner, reported the saltwater spill 8 miles (13 kilometers) northwest of Ray on Aug. 15, and estimated its size to be 8,400 gallons (31,797 liters). He said the company vastly increased its estimate on Monday to 1.4 million gallons (63.6 million liters), or enough to more than fill two Olympic-sized swimming pools. Manufacturing Net / [Read more](#)

## MEXICO: FIRE AND OIL SPILL INCIDENT- BALANDRA BEACH - BAJA CALIFORNIA SUR



August 25 - In the early hours of Sunday, August 21, a fire broke out aboard the Yacht Fortizone with 12 people on board who were rescued alive by another nearby boat. As a result, the yacht sank in the Balandra Fauna and Flora Protection Area, and it was necessary to close the emblematic nearby beach and carry out cleaning operations on the coast due to the impact of fuel from the boat on the coast, the that according to statements by the Governor of the State, Víctor Cosío, will last a few weeks. The area has restricted navigation at night, but according to the local press these restrictions are not met. On Tuesday, August 24, the National Commission of Natural Protected Areas (Conanp) declared an environmental contingency in the area. The cleaning operations will continue under the supervision of the aforementioned CONANP, PROFEPA, SEDENA and the Port Authority of La Paz. The authorities are currently coordinating the removal of the remains of the boat from the site with a specialized company. More news below in Spanish from the Mexican press.

<https://www.sopitas.com/noticias/combustible-playa-balandra-incendio-yate-dano-ambiental/>

<https://www.elsudcaliforniano.com.mx/local/continua-cierre-de-playa-balandra-por-posible-derrame-de-combustible-8775958.html/amp>

## INCIDENT REPORTS (CONTINUED)

<https://www.poresto.net/republica/2022/8/23/limpieza-de-playa-balandra-tras-incendio-de-un-yate-tardara-semanas-gobernador-de-bcs-349448.html>

<https://www.elsudcaliforniano.com.mx/policiaca/embarcacion-con-12-personas-a-bordo-se-incendio-en-balandra-8771903.html>

[https://www.elfinanciero.com.mx/estados/2022/08/23/declaran-contingencia-ambiental-en-playa-balandra-por-derrame-de-combustible/?fbclid=IwAR1nWhUmG\\_d0k1H5CV6nE9Nf6GXd8e54oQASDBReaGKvBreCMAIs-Vlxg2k](https://www.elfinanciero.com.mx/estados/2022/08/23/declaran-contingencia-ambiental-en-playa-balandra-por-derrame-de-combustible/?fbclid=IwAR1nWhUmG_d0k1H5CV6nE9Nf6GXd8e54oQASDBReaGKvBreCMAIs-Vlxg2k)

<https://politica.expansion.mx/estados/2022/08/24/balandra-playa-cierre-contingencia-ambiental>

<https://www.proceso.com.mx/nacional/estados/2022/8/24/cierran-playa-balandra-la-mas-bonita-de-mexico-por-derrame-de-combustible-292104.html>

<https://www.bbc.com/mundo/noticias-america-latina-62667164?xtor=AL-73-%5Bpartner%5D-%5Bgoogle.news%5D-%5Bheadline%5D-%5Bmundo%5D-%5Bbizdev%5D-%5Bisapi%5D>

[With thanks to Carlos Sagrera, MSc., ISCO Representative in Latin America Spanish Speaking]

## USA: W.VIRGINIA - FISH KILL, NINE MILES OF RIVER, POTENTIALLY AFFECTED BY CHEMICAL SPILL

August 25 - The West Virginia Department of Environmental Protection (WVDEP) was responding Thursday to the chemical spill that resulted from a tractor trailer crash early that morning.

A preliminary assessment indicated that the truck was hauling a minimum of 12 275-gallon totes of Alkyl Dimethylamine, which is primarily used as a cleaning agent. An environmental contractor was onsite and remediating the area, WVDEP officials said. The contractor will have to inspect and remediate the crash site before the amount of material being hauled and how much was spilled can be determined. Yahoo News / [Read more](#) Related Report & Video from [WCHS TV](#)

## ANNOUNCING NEW PRODUCTS & SERVICES

Another benefit provided by ISCO for its Corporate Members ...

Disseminating news about new technical developments is of value to our community. Corporate Members are invited to contribute articles.

Corporate Members of ISCO can benefit from submitting news about new products and services in the "News from ISCO Members" section of the ISCO Newsletter. This is a **FREE** facility for Members. Given that the ISCO Newsletter has a large and highly targeted readership in over 60 countries, it's a cost-effective way to promote your company.

Because the ISCO Newsletter is initially prepared as a Word document it's essential that text and photographs submitted can be easily copied and pasted into the preliminary draft of the newsletter. Please note that submissions must also comply with ISCO's editorial policy.

1. The Editor has sole discretion over what is accepted for publication
2. The Editor reserves the right to edit press releases
3. Information in press releases must be factual and free from sales hype and exaggerated claims
4. Subject matter of press releases must be relevant to the interests of the spill response community
5. Space availability for printing press releases is limited and they should be kept short
6. If a press release is too long only part of it will be printed but a link can be included for downloading its entirety
7. Links for downloading additional information or viewing video material can be included
8. Press releases may be included in the next newsletter or held over for inclusion in a later issue.

To apply for Membership, click on <https://spillcontrol.org/membership-application-form/>

---

Legal disclaimer: Whilst ISCO takes every care to ensure that information published in this newsletter is accurate unintentional mistakes can occur. No liability for consequences of errors is accepted but, if an error is brought to our attention, a correction will be printed in a following issue of this newsletter. Products and services featured in the ISCO Newsletter and/or the ISCO website, including the International Directory of Spill Response Supplies and Services, have not been tested, approved or endorsed by ISCO. Any claims made by suppliers of products or services are solely those of the suppliers and ISCO does not accept any liability for their accuracy. It should not be assumed that views and opinions expressed in linked reports, articles and other content reflect the views of the organization. Subscription is subject to acceptance of ISCO's Terms and Conditions as published on the website [www.spillcontrol.org](http://www.spillcontrol.org) and your acceptance of ISCO's Data Protection and Privacy Policy.

---