

## 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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## HEADLINE INTERNATIONAL NEWS

PLEASE CLICK ON THE BANNER BELOW FOR MORE INFORMATION



## UN STRUGGLES TO FIND TANKER FOR OIL TRANSFER FROM FSO SAFER OFF YEMEN



*Above: FSO Safer in an undated photo (UN supplied photo)*

January 18 - UN officials reported the latest hurdle in their plan to remove the oil stored on a decaying tanker off the coast of Yemen is finding and affording a tanker to receive the oil. In a briefing at UN headquarters, they said they are making good progress both in the financing and planning for the effort, but that the cost and availability of tankers is their latest challenge. France earlier this week said it was increasing its financial contribution to help with the increased cost of the plan.

"The availability of very large crude carriers has decreased in the past six months, basically due to events having to do with the war in Ukraine," said Farhan Haq, Deputy Spokesperson for the UN Secretary-General. "So, just as we were gearing up for operations, the cost to both lease and purchase this type of vessel increased. A very large crude carrier now costs about 50 percent more than what's budgeted in the original plan. So, we have some additional expenses and it's a little bit harder finding the right ships, but we're proceeding with the work."

After prolonged negotiations between all the factions, the UN reached an agreement that calls for the transfer of the oil from the FSO Safer to a replacement tanker until a permanent storage solution can be reached. The Safer is a 1970s-vintage oil tanker that was converted into an FSO in 1987, but work on the vessel stopped in 2015 due to the civil war. There are over one million barrels of oil stored aboard while only a skeleton crew with limited resources has been left to hold the systems together and prevent a catastrophic oil spill.

The UN has warned that failure to act now would result in an oil spill whose impacts would be an environmental and humanitarian catastrophe cutting across the destruction of pristine reefs, coastal mangroves, and other sea life across the Red Sea, exposing

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## HEADLINE INTERNATIONAL NEWS (CONTINUED)

millions of people to highly polluted air and cutting off food, fuel and other life-saving supplies to Yemen, a war-torn country where 17 million people already need food aid. Coastal communities would be hit hardest with hundreds of thousands of jobs in the fishing industry being lost. The UN estimates it would take 25 years for fish stocks to recover while the cost of cleanup alone would be a staggering \$20 billion if the Safer were to rupture. The Maritime Executive / [Read more](#)

## ISCO NEWS

### CORRECTION - DATE OF POSTPONED 2022 AGM

The delayed AGM is scheduled to take place at 8 pm GMT / 3 pm EST on **Thursday 9th February 2023**. (Apologies for giving out the wrong date in last week's newsletter)

It will be a remote meeting carried out using a Zoom platform. A link for joining the meeting will be circulated to members by email nearer to the date of the meeting.

All members in good standing (membership fees paid up-to-date) and honorary members (Hon.FISCO) are entitled to vote.

Votes should be submitted no later than the end of the day after conclusion of the AGM. The voting results will be communicated to members as soon as practicable.

The Agenda, Meeting Papers, Addendum and Voting Form were circulated to members by email on 10<sup>th</sup> January 2023.

Any Member who has not received these documents should alert the Secretariat by email to [info@spillcontrol.com](mailto:info@spillcontrol.com) to request that a copy be sent.

Members are invited to submit details of any additional matters that they would like to be discussed at the AGM. Such submissions should be sent by email to the Secretariat at [info@spillcontrol.org](mailto:info@spillcontrol.org) in advance of the date of the AGM.

### NEXT ISCO VOLUNTEERS & MEMBERS ZOOM MEETING

The monthly meeting for January 2023 will be on Thursday 26<sup>th</sup> January at 8 pm GMT, 3 pm EST. The link for joining the meeting is <https://us02web.zoom.us/j/5220550000> Agenda - this is an open agenda meeting. Please bring your ideas and concerns for discussion.

### NURDLES – NEW CLEAN-UP TECHNOLOGY & ONGOING R&D WORK

ISCO is particularly interested to hear about new technical developments in methodologies for cleaning up marine and shoreline pollution caused by releases of nurdles.

Billions of these tiny plastic pellets are floating in the ocean, causing as much damage as oil spills, yet they are still not classified as hazardous.

Shipped, in their billions, around the world, these lentil sized plastic pellets are melted down and used as the building blocks for a vast array of items used in our daily lives - from computers and cars, to clothes and drink bottles. Nurdles are lost at every stage of handling. It has been estimated that each year, 230,000 tonnes enter our oceans and, within the EU alone, 23 billion nurdles a day end up in the environment.

There are calls for this type of pollution to be taken much more seriously, as their size and persistence make them extremely difficult to remove, once in the environment.

Readers of the ISCO Newsletter are invited to contribute information that can be shared within our community and hopefully improve our capability to counter this pollution in more effective ways. Please send to [john.mcmurtrie@spillcontrol.org](mailto:john.mcmurtrie@spillcontrol.org)

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### WHAT PAMEX WILL DELIVER FOR MARINE AND COASTAL ECOSYSTEMS IN THE MEDITERRANEAN

January 16 - The Plan of Action for a Model Mediterranean Sea by 2030 (PAMEx) will hold its first Steering Committee meeting on 24-25 January 2023 in Athens, Greece. Partners will follow up on the implementation of the 20 concrete actions that PAMEx encompasses. In addition to governance matters and the functioning of the Local Investment Finance Facility (PLIFF)—the innovative financial mechanism created to underpin the implementation of PAMEx—the Steering Committee meeting will review ongoing projects and seek ways to accelerate action for nature in the Mediterranean.

PAMEx stems from an initiative launched at the 2021 edition of the IUCN World Conservation Congress. It is an inclusive framework for action that brings together

12 countries and five organizations.

The Coordinating Unit of the Mediterranean Action Plan of the United Nations Environment Programme (UNEP/MAP) hosts the technical secretariat of PAMEx, reflecting a firm anchoring in the Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean (Barcelona Convention) and its Protocols. UNEP / [Read more](#)

### EUROPE: MAR-ICE SUPPORT FOR CHEMICAL EMERGENCIES AT SEA EXTENDED BY ANOTHER FIVE YEARS

January 19 - After 15 years of cooperation, the European Maritime Safety Agency (EMSA) together with the European Chemical Industry Council (Cefic) and the Centre for Documentation, Research and Experimentation on Accidental Water Pollution (Cedre) have amended their three-party Cooperation Agreement to extend the MAR-ICE service until the end of 2027, thereby offering continued support in the event of chemical emergencies at sea

The three organisations have been working together since 2008, when they first established the network of chemical experts, known as the MAR-ICE network, to strengthen the transfer of information on chemical substances involved in maritime pollution emergencies occurring in European waters. EMSA / [Read more](#)

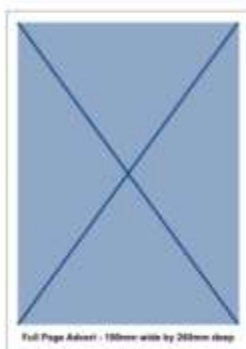
## New advertising opportunities available within the ISCO Newsletter

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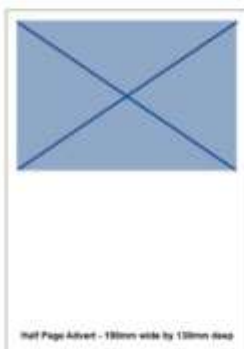
With a dedicated readership, the ISCO Newsletter is sent to nearly 3000 invested individuals once a week.

This loyal readership continues to find value in the ISCO Newsletter since it started more than 17 years ago.

Advertising in the newsletter gives advertisers direct access to highly motivated and niche audience of senior business people and decision makers.



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### What is the ISCO Newsletter?

ISCO's weekly newsletter is focused in international, regional and national news that is of interest to professionals, companies and organisations involved in oil and chemical spill control and the emerging field of CBRN incident response.

Through the Newsletter and its other activities, ISCO is disseminating information on new developments – technical advances, legislation, events and other matters that affect the international spill response community.

**To receive a copy of the new media pack please contact  
[spillcontrol@mwadigital.com](mailto:spillcontrol@mwadigital.com)**

### FIFTH MEETING OF THE MEDITERRANEAN NETWORK OF LAW ENFORCEMENT OFFICIALS RELATING TO MARPOL WITHIN THE FRAMEWORK OF THE BARCELONA CONVENTION (MENELAS)

January - The Fifth Meeting of the Mediterranean Network of Law Enforcement Officials relating to MARPOL within the framework of the Barcelona Convention (MENELAS) will gather Mediterranean coastal States:

Exact date, time and location will be confirmed closer to the date (FEBRUARY/ MARCH 2023) REMPEC / [Read more](#)

## NEWS REPORTS FROM AROUND THE WORLD

*Editor: Many of these reports are gleaned from news provided on the websites of Environment Agencies and other national organisations, some of which are not being well maintained. ISCO does not have the resources to monitor multiple social media platforms. Your editor is grateful to those organisations that directly send him their national news reports of interest to the spill response community.*

### AUSTRALIA: WOODSIDE'S SINKING OIL TOWER SPARKS FEARS FOR NINGALOO REEF MARINE LIFE

January 19 - An 83-metre-high steel tower used by Woodside to produce oil at a long defunct project is sinking, prompting concerns it could damage the marine environment around Western Australia's Ningaloo Reef.

Offshore regulator National Offshore Petroleum Safety and Environmental Management Authority (Nopsema) has directed Woodside to mitigate risks the tower – called a riser turret mooring (RTM) – poses to the environment and vessels in the area. The Guardian / [Read more](#)

### CANADA ACCEPTS AMENDMENTS TO EXPAND IMO COUNCIL

January 19 - Canada has become the latest country to accept amendments to the Convention on the International Maritime Organization (IMO) which will expand the size of the Council, extend the term of its Members, and recognize three additional language texts as authentic versions of the Convention.

The Honourable Ms. Marie Marie-Claude Bibeau, Minister of Agriculture and Agri-Food, deposited Canada's instrument of acceptance with IMO Secretary-General Kitack Lim during a visit to IMO (19 January). IMO / [Read more](#)

### FRANCE: EMERGENCY RESPONSE SUMMARY – DECEMBER 2022

December was a particularly busy month for our duty team:

requests for slick drift forecasts, behaviour predictions and the analysis of photos of suspected pollution were received from MRCC Jobourg, MRCC Antilles-Guyane, MRCC MED La Garde, MRCC Corsica and MRCC La Réunion;

various samples (oil, oiled feathers, vegetable oil) were analysed by Cedre's laboratory following small-scale strandings reported on the shoreline;

enquiries from the Maritime Prefecture of the Mediterranean, DDTM and the Bouches-du-Rhône fire brigade following a leak of ferric chloride from a wastewater treatment plant in Cassis and organisation of environmental monitoring with support from Galatée;

remote participation on behalf of TotalEnergies in an exercise involving a spill of unleaded petrol into a watercourse near the Donges refinery;

assistance to an industrial firm following a leak of petrol contained in a retention basin;

request from Damen Brest to conduct analyses on the residues in the tanks of methane carriers;

following the grounding of Taiwanese fishing vessel Yu Feng 67, on a reef off the Saint Brandon archipelago, an engineer from Cedre joined the assistance mission coordinated by the United Nations (UNEP/OCHA Joint Environment Unit in connection with the ERCC ) to support the Mauritian authorities. The purpose of this mission is to assist the authorities in organising management operations relating to the wreck and in particular provide support on impact assessment and environmental monitoring.

[Read more in the CEDRE Newsletter for December 2022](#)

COMING SOON... TRAINING

Aerial observation of pollution at sea: 6-9 February

Oil spill response at sea and on the shoreline: 13-17 March [Training - Cedre](#)

### FRANCE: EXPERTS AT THE BEDSIDE OF PORNIC BEACH AFTER PLASTIC MICROBEAD POLLUTION

January 18 - The phenomenon is known, the arrival of tiny plastic balls on the beaches of the Atlantic coast. This Wednesday, people from CEDRE were in Pornic to see the pollution.

They are called mermaid tears. A very poetic name for a calamity that we would do without.

It is these tiny plastic beads, industrial pellets that are used to make parts, elements, and that, sometimes, end up in the ocean by tons when a container falls into the sea.

The phenomenon is known because it is recurrent. And it is again seen at the moment on the Atlantic coast. A few days ago, we could see whole banks on the beaches of Vendée. France 3 / [Read more](#)

### ITALY: MEDITERRANEAN PROJECT AND ISPRA, PLASTIC REPRESENTS 65% OF FLOATING WASTE IN THE SEA

January 18 - Available the new results on the presence of floating waste in the sea that emerge from the collaboration between Associazione Progetto Mediterranea and ISPRA in the context of the "Floating Litter", an Advanced Citizen Science project to study sea pollution.

The Mediterranea ship sailed between May and September 2022 in the Strait of Sicily, the Gulf of Taranto and along the Adriatic coast as far as Venice. During the route, the crew made a series of sightings of floating waste as part of the observation and documentation program established with researchers from ISPRA and the Ministry of the Environment. ISPRA / [Read more](#)

### NIGERIA: BODO REMEDIATION AND REVEGETATION PROJECT - ANNUAL REPORT OF 2022 ACTIVITIES

January - WITH REGRET, WE ANNOUNCE THAT THE PROJECT WAS SUSPENDED ON 16 NOVEMBER 2022 AND WILL REMAIN SO UNTIL PEACE AND SECURITY ARE RESTORED IN BODO.

As described on page 8, the Project's Work Camp adjacent to the cleanup area in Bodo was attacked, burned and looted on 16 November 2022. In addition to the losses of work trailers, remediation equipment, SCAT supplies, kitchen facilities and training areas, ~1000 local workers were suddenly unemployed by these actions.

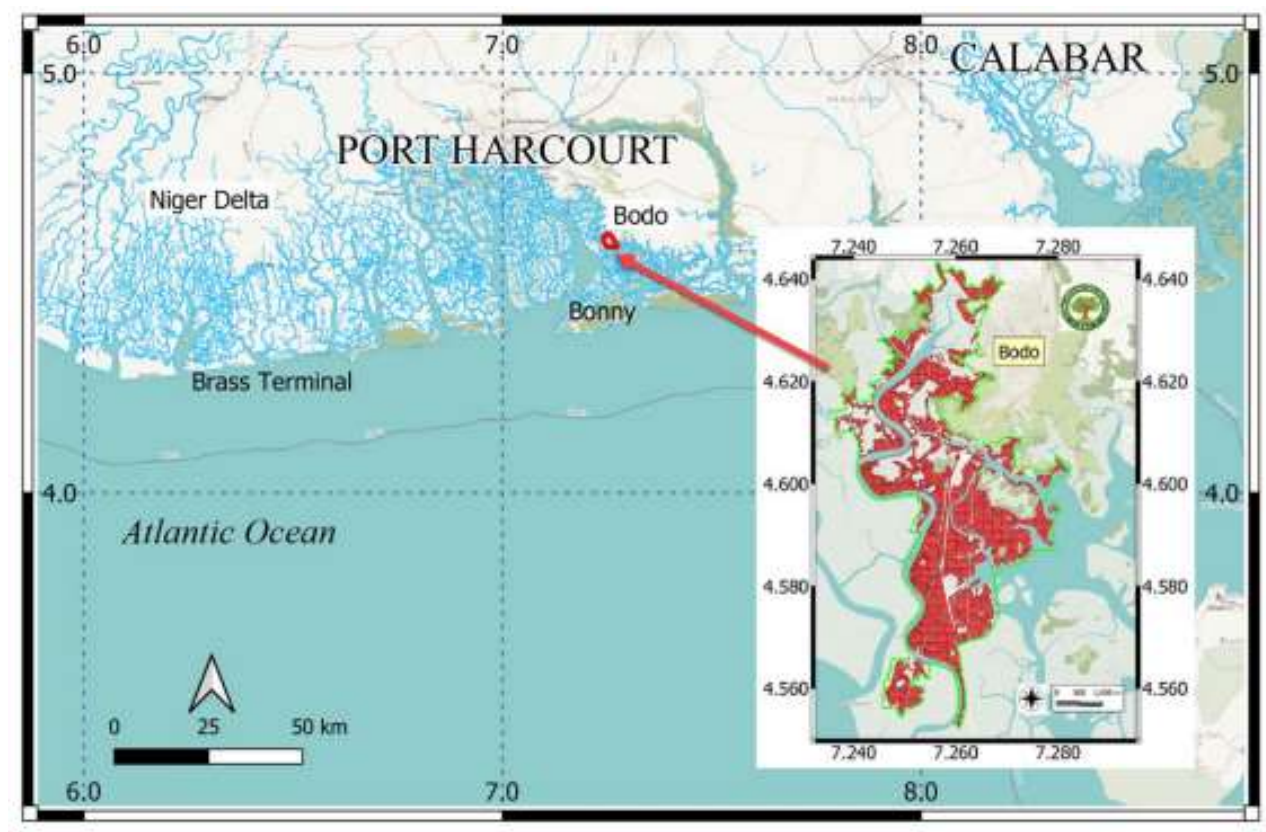


Figure 1-1: Location of the Bodo Remediation and Revegetation Project in the Niger Delta.

Download and read the Annual Report on 2022 Activities -

<https://drive.google.com/uc?export=download&id=1Td6g7A4QD-Dwox61m9gjUSTVBrv1oLJ>



### NIGERIA: Ogoni Remediation: FEC Approves N1.4bn for 31 Project Vehicles

January 19 - The Federal Executive Council (FEC) has approved the sum of N1.4 billion for the procurement of vehicles for the hydro-carbon pollution remediation project in Ogoniland, Rivers State.

Minister of Environment, Mohammed Abdullahi, disclosed this while briefing State House correspondents, after the FEC meeting presided over by Vice President Yemi Osinbajo on Wednesday at the Presidential Villa, Abuja. Premium Times / [Read more](#)

### TURKIYE: ENVIRONMENTAL MARINE POLLUTION FINES REVISED FOR 2022

January 18 - Pursuant to Article 20 of the Turkish Environmental Code no. 2872 (the "Code"), fines are imposed on vessels for causing pollution in Turkish waters through discharge of petroleum products, dirty ballast, garbage and sewage into the sea. Different from the major increase imposed in December 2018, this is merely an adjustment of the fines for inflation that takes place every year. Mondaq / [Read more](#)

### USA: EPA AND ARMY CORPS OF ENGINEERS FINALIZE RULE DEFINING "WOTUS"

January 13 - On Dec. 30, 2022, the Environmental Protection Agency and the Army Corps of Engineers announced the final rule establishing the definition of "waters of the United States" (WOTUS), which determines the federal jurisdiction of the Clean Water Act (CWA) to regulate pollutant discharges. This finalized rule presents the third WOTUS definition in as many presidential administrations, following the expansion of the CWA's purview by the Obama administration in 2015 and the narrowing of its purview by the Trump administration in 2020.

The New Rule - The new rule largely reverts to the pre-2015 definition originally implemented in the 1980s during the Reagan administration, with new additions and exclusions "to reflect existing Supreme Court decisions, the latest science, and the agencies' technical expertise." The final rule states that the following types of waters fall under the federal jurisdiction of the CWA: Exponent / [Continue reading](#)

### USA: NEW JERSEY - POLLUTION PLUME UNDER TOMS RIVER SUPERFUND SITE COULD TAKE DECADES MORE TO CLEAN

January - Pollution plume under Toms River Superfund site could take decades more to clean - But Diane Salkie, remedial project manager for the federal Environmental Protection Agency, said Tuesday she's doubtful that goal will be reached.

Nearly 1 million gallons of polluted water are pumped up every day, treated with an air stripper and granulated carbon and discharged on the site's northeast corner after being cleaned, Salkie said. APP / [Read more](#)

### USA: WEEKLY ROUND-UP OF NEWS AND INFORMATION FROM NOAA OR&R

January 23 – Please click on the links below to download and read the latest news reports from NOAA OR&R

#### NOAA Highlights Marine Debris Research and Collaboration at National Fisheries Institute Forum

Christy Kehoe, regional coordinator for California in NOAA's Marine Debris Program, within the Office of Response and Restoration, presented at the [National Fisheries Institute\(link is external\)](#) Seafood Science and Regulatory Forum to kick off the Global Seafood Market Conference on Jan. 15.

#### Workshop Improves Communication and Preparedness for Harmful Algal Blooms in the Great Lakes

NOAA's Office of Response and Restoration and the University of New Hampshire's Coastal Response Research Center hosted a virtual workshop on harmful algal blooms on Jan. 17-18. The primary focus of the workshop was communication, preparedness, and response — across the federal government, state agencies, and other key partners — for harmful algal blooms in the Great Lakes region.

#### NOAA Brings Together Stakeholders for 7th Annual Gulf of Mexico Marine Debris Meeting

The [Gulf of Mexico Alliance's Marine Debris Cross-Team Initiative\(link is external\)](#) held its annual two-day meeting on Jan. 10-11 to bring together entities from across the gulf that currently address marine debris issues.

### BRITISH VIRGIN ISLANDS BENEFITS FROM EXECUTIVE-LEVEL OIL SPILL TRAINING

January 18 - Twenty high level public officers participated in Level 3 Oil Spill Response Training designed to improve the coordination, management and planning of responses to these events. Acting Permanent Secretary in the Ministry of Natural Resources and Labour Joseph Smith Abbott said the training was valuable for leaders in the public service who have the responsibility to ensure that oil spills within the Territory receive a well-balanced response. Mr. Smith Abbott said, "Oil spills are unique in that they require us to plan responses that swiftly protect the Territory's natural resources, safeguard our first responders, and investigate the scene in case there is a need for criminal prosecution, all at the same time." BVI Gov / [Read more](#)

## PEOPLE IN THE NEWS

### MS. ELIZABETH MARUMA MREMA OF THE UNITED REPUBLIC OF TANZANIA - DEPUTY EXECUTIVE DIRECTOR OF THE UNITED NATIONS ENVIRONMENT PROGRAMME

United Nations Secretary-General António Guterres today announced the appointment of Elizabeth Maruma Mrema of the United Republic of Tanzania as Deputy Executive Director of the United Nations Environment Programme (UNEP).

Ms. Mrema will succeed Joyce Msuya of the United Republic of Tanzania who was appointed as Assistant Secretary-General for Humanitarian Affairs and Deputy Emergency Relief Coordinator in the Office for the Coordination of Humanitarian Affairs and to whom the Secretary-General is grateful for her commitment and dedicated service. The Secretary-General also wishes to extend his appreciation to the Director of the Corporate Services Division of UNEP, Sonja Leighton-Kone, who will continue to serve as Acting Deputy Executive Director until Ms. Mrema assumes this position. UN / [Read more](#)

## NEWS FROM ISCO MEMBERS

Corporate Members of ISCO can by 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 50 countries, it’s a cost-effective way to promote your company. 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)

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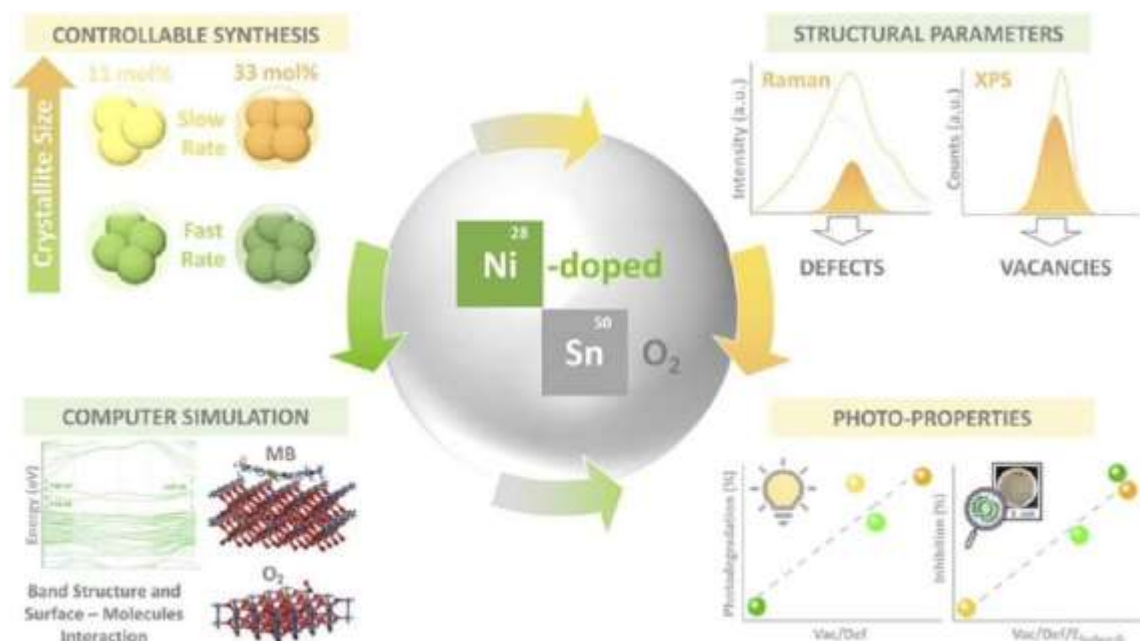
After a week of testing at OHMSETT, the final verdict was “no losses.” Demonstrations at the Port of Rotterdam, in the Vancouver area and offshore near Tel Aviv, were praised by senior professionals. The HARBO Boom boom is the smallest and lightest in the world. It functions as a genuine part of the body of water. Oil does not entrain under it.

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## SCIENCE & TECHNOLOGY

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### CHEMICAL NAVIGATION: SCIENTISTS DEVELOP A WATER REMEDIATION METHOD USING NANOPARTICLES



January 17 - Chemists from St Petersburg University have developed a method for purifying water from organic compounds using tin oxide nanoparticle based photocatalysts. The findings of the research are published in the Journal of Alloys and Compounds .

One of the most promising approaches in wastewater treatment technology to purify water is to use photocatalysis. It is a

process in which light energy is used to trigger chemical reactions to break down organic compounds into carbon dioxide and water through the presence of a catalyst—a special material in the form of nanoparticles. Until now, there has been no understanding of what exactly determines the efficiency and speed of such purification: the size of the particles, the features of their structure or their composition. The researchers from St Petersburg University have found the answer to this question

**More information:** Anastasiia Podurets et al, Experimental and computational study of Ni-doped SnO<sub>2</sub> as a photocatalyst and antibacterial agent for water remediation: The way for a rational design, *Journal of Alloys and Compounds* (2022). DOI: [10.1016/j.jallcom.2022.166950](https://doi.org/10.1016/j.jallcom.2022.166950)

**Journal information:** *Journal of Hazardous Materials* Phys Org / [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.

#### 18. An approach for assessing U.S. gulf coast ecosystem restoration

Committee on Long-Term Environmental Trends in the Gulf of Mexico, Gulf Research Program, National Academies of Sciences, Engineering, and Medicine,

(2023) An Approach for Assessing U.S. Gulf Coast Ecosystem Restoration, pp. 1-197.

<https://nap.nationalacademies.org/catalog/26335/an-approach-for-assessing-us-gulf-coast-ecosystem-restoration-a>

DOI: 10.17226/26335

**ABSTRACT:** Valued for its ecological richness and economic value, the U.S. Gulf of Mexico is under substantial pressure from human activities. The Deepwater Horizon platform explosion and oil spill significantly damaged Gulf ecosystems and led to the largest ecological restoration investment in history. The unprecedented number and diversity of restoration activities provide valuable information for future restoration efforts, but assessment efforts are hampered by many factors, including the need to evaluate the interaction of multiple stressors and consider long-term environmental trends such as sea level rise, increasing hurricane intensity, and rising water temperatures. This report offers a comprehensive approach to assess restoration activities beyond the project scale in the face of a changing environment. A main component of this approach is using different types of scientific evidence to develop "multiple lines of evidence" to evaluate restoration efforts at regional scales and beyond, especially for projects that may be mutually reinforcing (synergistic) or in conflict (antagonistic). Because Gulf of Mexico ecosystems cross political boundaries, increased coordination and collaboration is needed, especially to develop standardized data collection, analysis, synthesis, and reporting. With these improvements, program-level adaptive management approaches can be used more effectively to assess restoration strategies against the backdrop of long-term environmental trends.

#### 19. A surface Lagrangian algorithm applied to the 2019 South Atlantic oil spill

Tessarolo, L.D.F., Barreto, F.T.C., Innocentini, V., Gonçalves, I.Â., Silva, L.H.M.M., Chacaltana, J.T.A., Palma, G., Martins, R.G.

(2023) *Ocean Engineering*, 268, art. no. 113505, .

DOI: 10.1016/j.oceaneng.2022.113505

**ABSTRACT:** The surface Lagrangian algorithm of the Coupled Model for Oil spill Prediction (CMOP) was applied to investigate the oil spill that hit a vast coastline of Brazil during 2019–2020. Backward and forward in time simulations were performed in order to identify a potential source of the oil leak. Probabilistic analyses of the backtracked trajectories suggested that the oil was released from a mobile source crossing the South Equatorial Current in the NW-SE direction, where tanker routes with oil leaks are plausible. A possible route was chosen and a hypothetical oil spill was simulated forward in time. The results of the hypothetical spill showed good agreement with the shore stranding times reported in official records, confirming that the oil spill may have occurred on a route crossing a broad band of the South Equatorial Current.

#### 20. Laboratory testing of dispersant effectiveness at high pressures

Antoniou, E., Kalogerakis, N.

(2023) *Canadian Journal of Chemical Engineering*, 101 (2), pp. 772-781.

DOI: 10.1002/cjce.24707

**ABSTRACT:** Oil spills remain a serious environmental problem, and can have significant economic and ecological consequences. Despite the advantages, accidental deep-sea oil releases during offshore exploration or production activities are of particular concern as the potential for such incidents increases significantly as we move to deeper waters. Dispersants are important mitigation tools as they have the capability to disperse the oil into a cloud of tiny oil droplets that can be readily degraded by



hydrocarbon degraders if suitable environmental conditions prevail. In the case of an offshore incident, the dispersant is injected near the point of crude oil release so that dispersion is more effective. Given that our experience with subsea dispersant use is limited, the effect of pressure on the effectiveness of the dispersant has not been established, and hence, the composition and amount of dispersant to be injected has not been optimized. For typical surface oil spills, dispersant effectiveness is experimentally measured under laboratory conditions by the US-Environmental Protection Agency (EPA) baffled flask test, which was later adapted as ASTM standard method F3251. Despite its extended use, this test cannot be used for testing dispersants at elevated pressures. In order to see whether pressure affects dispersant effectiveness, we developed a simple laboratory test protocol using a high-pressure reactor (HPR). In addition, the effectiveness of five commercially available dispersants (COREXIT™ EC9500A, COREXIT™ EC9500B and COREXIT™ EC9527A, Marichem™, and Oiler 60) applied to a dead light crude oil has been determined at various pressures for the first time, and these values have been related to the standard baffled flask test (BFT) at atmospheric pressure. It is shown that pressure increase adversely affects dispersant effectiveness; however, the effect varies from a few percent to nearly a 50% decrease for a pressure increase of 100 bar depending on the particular dispersant used.

## 21. Relationships between Isomeric Metabolism and Regioselective Toxicity of Hydroxychrysenes in Embryos of Japanese Medaka (*Oryzias latipes*)

Tanabe, P., Pampanin, D.M., Tiruye, H.M., Jørgensen, K.B., Hammond, R.I., Gadepalli, R.S., Rimoldi, J.M., Schlenk, D. (2023) Environmental science & technology, 57 (1), pp. 539-548.  
DOI: 10.1021/acs.est.2c06774

**ABSTRACT:** Oxygenated polycyclic aromatic hydrocarbons (oxy-PAHs) are ubiquitous contaminants that can be formed through oxidation of parent PAHs. Our previous studies found 2-hydroxychrysene (2-OHCHR) to be significantly more toxic to Japanese medaka embryos than 6-hydroxychrysene (6-OHCHR), an example of regioselective toxicity. We have also previously identified a sensitive developmental window to 2-OHCHR toxicity that closely coincided with liver development, leading us to hypothesize that differences in metabolism may play a role in the regioselective toxicity. To test this hypothesis, Japanese medaka embryos were treated with each isomer for 24 h during liver development (52-76 hpf). Although 6-OHCHR was absorbed  $97.2 \pm 0.18\%$  faster than 2-OHCHR, it was eliminated  $57.7 \pm 0.36\%$  faster as a glucuronide conjugate. Pretreatment with cytochrome P450 inhibitor, ketoconazole, reduced anemia by  $96.8 \pm 3.19\%$  and mortality by  $95.2 \pm 4.76\%$  in 2-OHCHR treatments. Formation of chrysene-1,2-diol (1,2-CAT) was also reduced by  $64.4 \pm 2.14\%$  by ketoconazole pretreatment. While pretreatment with UDP-glucuronosyltransferase inhibitor, nilotinib, reduced glucuronidation of 2-OHCHR by  $52.4 \pm 2.55\%$  and of 6-OHCHR by  $63.7 \pm 3.19\%$ , it did not alter toxicity for either compound. These results indicate that CYP-mediated activation, potentially to 1,2-CAT, may explain the isomeric differences in developmental toxicity of 2-OHCHR.

## 22. Analysis of sulfur compounds for crude oil fingerprinting using gas chromatography with sulfur chemiluminescence detector

Prasantongkolmol, T., Thongkorn, H., Sunipasa, A., Do, H.A., Saeung, C., Jongpatiwut, S. (2023) Marine Pollution Bulletin, 186, art. no. 114344, .  
DOI: 10.1016/j.marpolbul.2022.114344

**ABSTRACT:** Oil spills are a severe problem worldwide due to the resulting damage to marine and coastal ecosystems and to local economies. Identification of the source of spilled oils can be challenging, especially if the oils have undergone severe weathering. Due to their high durability, biomarker compounds (e.g. hopanes, steranes) are widely used for oil fingerprinting. Some sulfur-containing heterocyclic compounds e.g. alkylated dibenzothiophenes are also considered to be highly resistant. In this study, the use of Gas Chromatography with Sulfur Chemiluminescence Detection was investigated as a means of oil fingerprinting using the distribution the sulfur compounds in five different fresh and weathered crude oils. Chemometric analysis was also performed. The results indicate that the sulfur compounds distribution is unique for each crude oil. The distributions of the heavy sulfur compounds (i.e., C2DBTs and C3DBTs) are unchanged after weathering. Therefore, the GC-SCD technique can be considered to support the oil spill identification.

## 23. Distribution, Source Apportionment and Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Sediments at the Basin Scale: A Case Study in Taihu Basin, China

Xie, F., Cai, G., Zhang, D., Li, G., Li, H., Xu, B., Zhang, J., Wang, J. (2023) Bulletin of Environmental Contamination and Toxicology, 110 (1), art. no. 27, .  
DOI: 10.1007/s00128-022-03670-9

**ABSTRACT:** As a systematic research at basin scale, this study investigated the spatial distribution, source apportionment and ecological risks of eighteen polycyclic aromatic hydrocarbons (PAHs) in surface sediments at different functional regions (rivers, lakes and reservoirs) from Taihu basin. Results showed that the mean values of 18 PAHs (defined as  $\Sigma 18\text{PAHs}$ ) in river sediments (1277 ng/g) was much higher than those observed in lake sediments (243 ng/g) and reservoir sediments (134 ng/g). The accumulation of PAHs in river sediments was largely impacted by the local social-economic development and energy consumption. The positive matrix factorization (PMF) and isomer ratios analysis of PAHs suggest that relative contributions to PAHs in sediments

## RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS (CONTINUED)

were 15% for gasoline and heavy oil combustion, 9% for oil spills, 30% for coal combustion, 23% for traffic source, and 23% for diagenetic source. Ecological risk assessment based upon risk quotient (RQ) method indicated that sediments at Taihu basin have suffered moderate risk of PAHs.

## TRAINING COURSES

**Training Course Providers – Please check entries below and advise editor on any necessary updates.**

### USEFUL LINKS

- INTERNATIONAL – IMO E-LEARNING PLATFORM [e-learning platform](#)
- AUSTRALIA – AMOSC - <https://amosc.com.au/training/>
- AUSTRALIA & NEW ZEALAND – ALGA - <https://landandgroundwater.com>
- CHINA - <http://www.sioetc.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 ENVIRONMENTAL MANAGEMENT – LLOYD’S MARITIME ACADEMY

*Understand environmental issues and related management matters in the maritime sector*

Course commences 25<sup>th</sup> January 2023 | (VIP CODE: TT01)

[Click here for course content](#) | [Click here for Fee information](#) | [Click here to view course homepage](#)

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### CERTIFICATE IN MARINE POLLUTION & MANAGEMENT – LLOYD’S MARITIME ACADEMY

Online, 12 weeks, Starts 15<sup>th</sup> March 2023 [Visit website for more info](#)

### CERTIFICATE IN ALTERNATIVE FUELS – LLOYDS MARITIME ACADEMY

Online, Starting 25 April 2023 Delivered by digital learning over 14 weeks. [Visit website for 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

- No new advice on upcoming events received this week

#### RECENTLY ADDED TO THE UPCOMING EVENTS PAGE

- Tiered Preparedness & Response (TPR) Seminar Series, “Bridging Response to Research”, Tues. 24<sup>th</sup> January, 1400 GMT, Rob Holland & Rhea Shears, (60 min.)
- Canada – 45<sup>th</sup> Technical Seminar on Environmental Contamination & Response, Edmonton, Alberta, 4-6 June, 2023
- Norway – NOSCA Seminar 2023, Bodo, Norway, 20-24 March, 2023
- USA – Clean Waterways Conference & Exhibition, Denver CO, 11-13 April 2023
- European Maritime Day, Brest, France, 24-25 May, 2023
- UK: Hazmat 2023 Conference, 24-25 May 2023
- Australia – SPILLCON 2023 Conference & Exhibition, 11-15 September 2023

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

## MESSAGES FROM EVENT ORGANISERS

### USA: CLEAN PACIFIC

Clean Events has advised that the Clean Pacific Conference & Exhibition is likely taking a pause in 2023 and returning in 2024.

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

NOSCA will arrange the next NOSCA Seminar in week 12/23 (20-24.03.23) in Bodø/Norway. The seminar will focus on following topics:

- Early warning, remote sensing technologies
- Subsea dispersion
- Experiences from recent incidents
- Standardization project
- Technology transfer: From traditional oil spill prevention to combat marine litter
- Observation of OKEA's large scale exercise "Draugen"

Price: NOK 16.500 incl. hotel accommodations and all local transports. Please register by Dec 31, 2022 by using the link below (payment by Paypal) or send an email to [info@nosca.no](mailto:info@nosca.no). Our main topic will be "Tomorrow's challenges and solutions within oil spill response". Beside of two conference days, the seminar participants will be able to observe the large scale exercise "D1H" which will be carried out by NOFO and OKEA. For more information and registration please read <https://www.nosca.no/nosca-seminar/>

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

**Early Bird Registration Discounts End Next Friday!** You have less than 1 week left to secure early bird registration discounts for [CLEAN WATERWAYS](#). Registration rates will increase by \$100 after the early bird expires on 1/27/2023. If you're interested in sending 3 or more people from your company, we have discounted group registration packages that offer an additional 15-20% in savings. For more information or to secure your group registration, contact Jill Dean at 301-354-1618 or [jdean@accessintel.com](mailto:jdean@accessintel.com)

Clean Waterway takes place at the Hilton Denver City Center Hotel in Denver, CO, on April 11-13. [More News re conference & abstract submission](#) [Registration](#) [Introduction to the Planning Committee](#) [EXHIBIT SPACE AND SPONSORSHIPS ARE AVAILABLE](#) [Agenda](#).

### CROATIA: ADRIASPILLCON 2023, OPATIJA, 16<sup>th</sup> - 18<sup>th</sup> MAY, 2023

ADRIASPILLCON 2023 will be held in Opatija, Croatia, between 16 and 18 May 2023 and is being organized by ATRAC - Adriatic training and education centre for accidental marine pollution preparedness and response, with the support of the Ministry of Maritime Affairs, Transport and Infrastructure. The Conference website is currently being finalized. Among the organizations that support the Conference (i.e. IMO, REMPEC, EMSA, IOPCF, ITOPE, CEDRE, etc.). Watch this space for more information.

### CANADA: 45TH AMOP TECHNICAL SEMINAR ON ENVIRONMENTAL CONTAMINATION AND RESPONSE: EDMONTON, 6-8 JUNE 2023

The Seminar provides a forum for professionals working in the field of oil and hazardous materials spills. The forum facilitates the transfer of scientific results and is intended to link research and the operational community. All submitted papers are peer-reviewed by scientific and technical experts. The Technical Seminar features plenary sessions of 10- or 20-minute presentations on spill-related topics including Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE). Sessions will begin at 8:00 a.m. each day. The presentations are followed by a 5- or 10-minute question and answer period. Sessions may also conclude with Speaker's Corner presentations at which results of more recent research can be discussed without an associated paper. Government of Canada / [Seminar Information](#)

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

The Australian Institute of Petroleum (AIP) and the Australian Marine Oil Spill Centre (AMOSC) invite you to attend the international oil spill conference for the Asia-Pacific region, Spillcon 2023. Spillcon 2023 will bring together local, regional and global environmental and shipping representatives across industry, government and non-government organisations to provide an avenue to discuss issues including causes and prevention, preparedness, response management and environmental issues.

Spillcon 2023 has been confirmed for 11 – 15 September 2023 at the Brisbane Convention and Exhibition Centre, Queensland, Australia. This website will be regularly updated with further information for sponsors, exhibitors and delegates. <https://www.spillcon.com/>

### USA: CLEAN GULF CONFERENCE & EXHIBITION – SAN ANTONIO, NOVEMBER 7-9, 2023

**Now Accepting Abstracts for the 2023 CLEAN GULF Conference** - The 32nd annual CLEAN GULF Conference is extending an industry-wide call for participation. Prospective speakers are invited to submit a 200-300 word abstract(s) [online](#) for consideration by the program committee by Friday, February 24th. All abstracts are reviewed for content and relevance by the planning committee and are selected by consensus.



## MESSAGES FROM EVENT ORGANISERS (CONTINUED)

**Now Accepting Reservations for Exhibit Space and Sponsorships for CLEAN GULF 2023** - Make an impact on buyers from oil & gas, maritime, rail, environmental companies and regulatory agencies with an exhibit space or sponsorship at the [CLEAN GULF Conference & Exhibition](#). Attendees at CLEAN GULF are looking for new products, services, and technologies to help them better prepare or respond to a hazardous spill or environmental emergency.

### USA: IOSC 2024 CALL FOR PAPERS AND POSTERS REMINDER

The International Oil Spill Conference (IOSC) brings together the broadest range of global oil spill response professionals to discuss the latest research, technology, and resources impacting our community today. Submit a proposal to become a leader at our next convening in New Orleans, Louisiana, May 13 - 16, 2024.

Click on <https://ssl.linklings.net/conferences/IOSC/> to visit the submission site. Then, select the "Create an Account" tab at the top of the page to begin your submission. All submissions are due April 24, 2023

## CONTRACTS, TENDERS AND BUSINESS OPPORTUNITIES

### INTERNATIONAL OPEN TENDER NOTIFICATIONS

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 Updates <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>

## JOB VACANCY

### USA: DIRECTOR, NATIONAL SPILL CONTROL SCHOOL

TAMU-CC is a dynamic university designated as both a Hispanic-Serving Institution (HSI) and Minority-Serving Institution (MSI) with approximately 11,000 students from 47 states and 54 foreign nations. We employ over 1,400 full-time and 2,000 part-time Islanders (including students/GAs). The University attracts highly talented faculty and staff and offers an array of undergraduate and graduate degrees, including doctoral programs. As a member of the Texas A&M University System, TAMU-CC benefits from a range of resources, increased visibility and influence, and opportunities to collaborate in mutually beneficial ways with peers across member institutions and associated agencies.

TAMU-CC's beautiful campus is located on a 240 acre island on Corpus Christi Bay and was ranked #1 College by the Sea by Best College Reviews. Our natural setting is enhanced by its modern, attractive, and state-of-the-art classroom buildings and support facilities. From our generous benefits package and professional development opportunities, to our retirement programs and our commitment to service excellence, the Island University is an engaging and rewarding place to work.

For more information and details on how to apply, please visit –

[https://tamus.wd1.myworkdayjobs.com/en-US/TAMUCC\\_External/job/Corpus-Christi-TX/Director--National-Spill-Control-School\\_R-056071](https://tamus.wd1.myworkdayjobs.com/en-US/TAMUCC_External/job/Corpus-Christi-TX/Director--National-Spill-Control-School_R-056071)

## LINKS FOR DOWNLOADING AND READING OTHER PUBLICATIONS

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

## NEW PUBLICATIONS

### DECEMBER 2022 ISSUE OF CEDRE NEWSLETTER

The highlights of December included a visit from Cerema to our premises in Brest, the Marine Environment Protection Committee session at IMO headquarters in London, a meeting with INERIS on Lithium-ion batteries and the organisation of several training courses on different topics such as crisis management, spill response in ports, merchant ships and chemical spills. These training courses took place at Cedre, as well as virtually and in Guadeloupe for industry personnel and port workers. More details about these events are available in the newsletter and on our website at [www.cedre.fr](http://www.cedre.fr) [Read the December 2022 issue of the CEDRE Newsletter](#)

## NEW PUBLICATIONS (CONTINUED)

### NEW ISSUE OF THE EMSA NEWSLETTER

In this issue: Insights into Agency activities in the coming year set out in recently published EMSA Outlook 2023; EMSA and Europol directors meet to discuss their joint cooperation in the area of law enforcement; MAR-ICE support for chemical emergencies extended by another five years; Well established data protection network holds bi-annual meeting in EMSA to promote know-how and best practices; Strong year end for EMSA RPAS as flights continued offering multipurpose surveillance across Europe until Christmas; Automated Behaviour Monitoring and Advanced Analytics workshop. [Read the latest EMSA Newsletter](#)

### THE MARINE INSURER

The Marine Insurer is a quarterly journal launched in 2019. The latest January 2023 edition, Issue 12, An increasingly uncertain (marine) world, can be found at <https://marineinsurer.co.uk/the-marine-insurer/>

## INCIDENT REPORTS

### TAIWAN STRAIT: CARGO SHIP CAPSIZED, SANK IN TAIWAN STRAIT VIDEO

January 15 - Cargo ship in Taiwan Strait 90 nm west of Kaohsiung reported water ingress, developing portside list, and requested assistance, in the morning Jan 16. Some or all had to jump into water, but fortunately, all 8 were rescued, understood by helicopter, all are safe, some suffering hypothermia. The ship capsized and sank. She wasn't identified, but according to all available data, it is most probably, general cargo ship HAO FENG, last AIS position received sometime between 2200 – 2300 UTC Jan 15. Video <http://www.maritimebulletin.net/2023/01/16/cargo-ship-capsized-sank-in-taiwan-strait-video/> [www.maritimebulletin.net](http://www.maritimebulletin.net)

### USA: LOUISIANA - DREDGING VESSEL CAPSIZES AND SPILLS OIL ON LOWER MISSISSIPPI RIVER



*Above: An aerial shot of the W.B. Wood after it capsized on the Mississippi River near Meraux, Louisiana on Jan. 16, 2023. U.S. Coast Guard photo by Sector New Orleans*

## INCIDENT REPORTS (CONTINUED)

January 17 - A dredging vessel capsized Monday on the Lower Mississippi River, spilling oil but thankfully the two people on board at the time are safe.

The U.S. Coast Guard reports that Sector New Orleans watchstanders received notification at 12:50 a.m. that the dredging vessel W.B. Wood capsized in the vicinity of mile marker 85 near Meraux, Louisiana, and the two people aboard were rescued and accounted for by the crew of the towing vessel Omaha. Coast Guard Sector New Orleans Incident Management Division is coordinating with the dredge operator Wood Resources, LLC in overseeing the pollution response and plans to salvage the vessel.

The responding oil spill response organization, Environmental Safety & Health Consulting Services (ES&H), had three response boats on scene, was conducting skimming operations, and had recovered more than 3,360 gallons of oily water mixture as of the latest update published at 10:24 PM EST Monday. ES&H deployed 940-feet of hard and soft boom and contained the discharge gCaptain / [Read more](#) Other reports can be found in [The Maritime Executive](#) and [Reuters](#)

### **CANADA: ONTARIO - OIL SPILL ON SUDBURY'S RAMSEY LAKE DOESN'T POSE RISK TO DRINKING WATER, SAYS HEALTH UNIT**

January 17 - An oil spill that started at a home along Ramsey Lake in Sudbury, Ont., has since reached the shoreline, said Public Health Sudbury and Districts. The health unit said in a news release that the spill Jan. 14 started from the fuel oil tank of a home on Gennings Street near the lake. Public health said it immediately alerted the Ministry of the Environment, Conservation and Parks, as well as people who lived nearby. CBC News / [Read more](#)

### **AUSTRALIA: WOODSIDE'S SINKING OIL TOWER SPARKS FEARS FOR NINGALOO REEF MARINE LIFE**

January 19 - An 83-metre-high steel tower used by Woodside to produce oil at a long defunct project is sinking, prompting concerns it could damage the marine environment around Western Australia's Ningaloo Reef. Offshore regulator National Offshore Petroleum Safety and Environmental Management Authority (Nopsema) has directed Woodside to mitigate risks the tower – called a riser turret mooring (RTM) – poses to the environment and vessels in the area. The Guardian / [Read more](#)

### **JAPAN: COAST GUARD VESSEL TAKING ON WATER AFTER GROUNDING**

January 19 - A Japan Coast Guard vessel is reportedly taking on water and leaking oil after grounding in rough weather while on a routine patrol on January 18. The vessel is stranded and awaiting a salvage crew but in no danger of sinking.

The 3,100 gross ton Echigo, built by Mitsui Engineering & Shipbuilding and commissioned in 1990, was operating in central Japan on Wednesday morning. Strong winds of 25 mph were blowing with heavy surf when the vessel approached a lighthouse near Kashiwazaki along the Sea of Japan The Maritime Executive / [Read more](#)

### **GIBRALTER: SALVAGE OPERATION IS UNDERWAY IN GIBRALTAR TO REMOVE OS 35 WRECK**

January 20 - Salvage operations are underway off Gibraltar to remove the wreck of the bulk carrier OS 35 after some weather-related delays. The port approved the salvage plan late in 2022 setting a target to complete the removal process of the 35,000 dwt bulk carrier which was intentionally grounded and later sunk after hitting another vessel while outbound from the port on August 29, 2022. The Maritime Executive / [Read more](#)

### **COLOMBIA: TUG SANK IN THE CARIBBEAN, 4 MISSING**

January 20 - Tug SEA VOYAGER reportedly sank in the Caribbean some 50 nm west of Cartagena, Colombia, on Jan 19 or 20. Last AIS position was received at around 1700 UTC Jan 19. Tug left Cartagena on Jan 18, bound for Puerto Colon Panam. Of 9 crew on board, 4 are missing, others understood to be safe. No other information available at the moment Maritime Bulletin / [Read more](#)

### **CANADA: CSCL CONTAINER SHIP OIL SPILL**

January 22 - Oil spill was spotted near Spanish Banks, Vancouver Harbour. CSCL EUROPE is suspected in spilling some fuel, anti pollution response under way. The ship is anchored at Spanish Banks since Jan 15, on arrival from Prince Rupert, voyage started from Busan. Maritime Bulletin / [Read more](#)

## HISTORY

### **THE BRAER OIL SPILL IN SHETLAND**

From Andy Nicoll, Principal Preparedness & Response Authority at Oil Spill Response – “Thirty years ago I was pulled off the day-job in Oil Spill Response Ltd to support the response to a major developing incident off the coast of the Shetland Islands. The M.T. Braer, carrying 85,000 tonnes of Norwegian Gullfaks Crude Oil, had lost all power in the Fair Isle Channel. Amid a horrendous Atlantic



## HISTORY (CONTINUED)

storm and with no possibility to secure a tow-line, the stricken vessel drifted onto a rocky shore on the south-west coast of Shetland. The extreme weather continued to pound the wreck for several weeks whilst her cargo of oil disgorged into the sea. Fortunately there was some natural mitigation of severe environmental impacts that might otherwise have occurred. The oil type had unique properties which enabled it to be naturally dispersed readily into the highly dynamic sea. Despite this, the local fishing industry suffered greatly as market confidence crashed for the locally farmed salmon. Overall, this incident was a great demonstration of the need to work with the overriding forces of nature. Spill Impact Mitigation Assessment (SIMA) shows how we intervene for optimal environmental benefit but, in this incident and many others, mother nature ultimately dictates how the response plays out". #environmental #shipping #shippingindustry #preparedness #emergencyresponse #oilspill. Source: Linked-in.

### THIS DAY IN HISTORY: JANUARY 19TH, 1996, NORTH CAPE OIL SPILL

January 19 - On January 19, 1996, the worst oil spill in Rhode Island history occurred when the tank barge, North Cape, and the tugboat, Scandia, grounded off Moonstone Beach in South Kingstown. The grounding occurred after the tug caught fire in its engine room during a winter storm.

An estimated 828,000 gallons of home heating oil spilled, spreading throughout a broad area of Block Island Sound and beyond, including the shoreline of the Trustum Pond National Wildlife Refuge (NWR).

As a result of the severe weather at the time of the spill, oil spread quickly to the deeper levels of water, making clean-up efforts difficult. The primary organizations involved in restoration efforts were the National Oceanic and Atmospheric Administration (NOAA), the United States Fish and Wildlife Service, the Rhode Island Department of Environmental Management, and the United States Coast Guard. Recovery projects included restocking wildlife populations and protecting and enhancing their habitats. US federal and Rhode Island state governments undertook considerable work to clean up the spill and restore lost fishery stocks and coastal marine habitat. The trustee agencies completed all project implementation by early 2016. Restoration project performance monitoring is ongoing. WUN / [Read more](#)

## INFORMATION FOR ISCO MEMBERS

### ANNOUNCING NEW PRODUCTS & SERVICES

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. Submissions should not include photos that cannot be used without permission of copyright owners.

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

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