



ISCO & THE ISCO NEWSLETTER

The International Spill Control Organization, a not-for profit organization dedicated to raising worldwide preparedness & co-operation in response to oil and chemical spills, marine & freshwater pollution by plastics, promoting technical development and professional competency, & 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 & observer Status at the International Oil Pollution Compensation Fund

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INTERNATIONAL & REGIONAL NEWS

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IMO WORLD MARITIME THEME FOR 2023: "MARPOL AT 50 – OUR COMMITMENT GOES ON"



MARPOL AT 50 OUR COMMITMENT GOES ON

The theme reflects the organization's long history of protecting the environment from the impact of shipping via a robust regulatory framework and emphasizes its ongoing commitment to this important work. The theme 'MARPOL at 50 – Our commitment goes on' spotlights the International Convention for the Prevention of Pollution from Ships ([MARPOL](#)), which covers prevention of pollution of the marine environment by ships from operational or accidental causes.

[IMO-UNEP-Norway Innovation Forum 2023](#). The event takes place on 28 September 2023 at IMO Headquarters, London, and online. The Forum includes topics such as: Environmental performance; reducing plastic litter from ships; supporting innovation in marine fuel production; decarbonizing the maritime sector; unlocking green finance; and partnerships and collaboration. Read more details [here](#). IMO / [Read more](#)

CHEMICAL INDUSTRY ANNOUNCES GLOBAL AMBITIONS AT LANDMARK UN CONFERENCE ON THE FUTURE OF CHEMICALS MANAGEMENT

The International Council of Chemical Associations, representing more than 90 percent of global chemical sales, announce the launch of three high-level ambitions on the sound management of chemicals and waste ahead of an upcoming key UN

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INTERNATIONAL & REGIONAL NEWS (CONTINUED)

conference that will define the future of "Beyond 2020 Instrument", the global UN-led policy framework to promote chemical safety around the world. CEFIC / [Read more](#)

IUMI: "DARK FLEET" TANKERS POSE NEW RISK FOR MARINE INSURERS

The International Union of Marine Insurers (IUMI) has warned that the growing "dark fleet" of sanctions-evading tankers poses a new threat to the insurance sector, as well as the safety of navigation and the marine environment.

IUMI's legal committee notes that these are largely older ships, and their operating practices do not align with industry standards. Many show signs of improper maintenance, have missed their inspections, or operate with their AIS transponders turned off, raising the risk of a spill or collision. Many others have a "severe lack of insurance," posing financial risk to others in the event of a casualty. The Maritime Executive / [Read more](#)

PORT RECEPTION FACILITIES WORKSHOP AT EMSA

This week EMSA organized a workshop dedicated to the kick-off of the Visit Cycle to Member States for monitoring the implementation of the Port Reception Facilities (PRF) legislation: [Directive \(EU\) 2019/883 for the delivery of waste from ships](#).

During the workshop, the Commission and the Agency presented the purpose, scope, and objectives of the future visits, which will start in Q1 2024, as well as the methodology behind its planning. Also presented were preliminary statistics on the uptake of the Directive and the status of transposition compliance. EMSA / [Read more](#)

SUPPORTING REGIONAL MECHANISMS FOR DEALING WITH OIL SPILLS IN PACIFIC ISLANDS

IMO's commitment to supporting regional mechanisms dealing with oil spills in the Pacific Islands was strengthened through delivery of a regional workshop which included the introduction of the [RETOS tool](#) for assessing levels of oil spill preparedness in Brisbane, Australia (15-17 September).

The RETOS tool to Evaluate Oil Spill Management Capabilities is used to assess and analysis the level of oil spill response and planning preparedness. IMO / [Read more](#)

SIX TAKEAWAYS FROM THE 2023 MAP FOCAL POINTS MEETING IN ISTANBUL

Ms. Fatma Varank, Deputy Minister, Ministry of Environment, Urbanization and Climate Change of Türkiye, and President of the Bureau of the Contracting Parties to the Barcelona Convention, opened the 2023 meeting of the [Focal Points of the Mediterranean Action Plan \(MAP\)](#), which took place on 12-15 September in Istanbul (Türkiye).

Addressing participants during the opening session, Tatjana Hema, the UNEP/MAP Coordinator, outlined the expected outcomes of the meeting which would pave the way for a successful 23rd Meeting of the Contracting Parties to the Barcelona Convention (COP 23, Portoroz, Slovenia, 5-8 December 2023).

MAP Focal Points meetings constitute a crucial milestone in the two-year cycle of the work of UNEP/MAP. They prepare the [Meetings of the Contracting Parties \(COP\)](#) of the Barcelona Convention. UNEP / [Read more](#)

NEWS FROM AROUND THE WORLD

AUSTRALIA: PUBLIC CONSULTATION – PROPOSED AMENDMENTS TO THE ENVIRONMENTAL PROTECTION ACT (QLD)

September 14 - Following the Independent review of powers and penalties under the EP Act, the Queensland Government is seeking consulting on proposed amendments to the EP Act.

NEWS FROM AROUND THE WORLD

The Queensland Government has called for submissions on proposed amendments to the Environmental Protection Act

The proposed reforms include:

- Stating clearly in the EP Act the principles that apply to its administration, including polluter pays, the precautionary principle, the principle of primacy of prevention and proportionality;
- Combining existing powers to issue notices and orders into an Environmental Enforcement Order;
- Imposing a new “duty to restore” where unlawful environmental harm is caused;
- Introducing a new offence of failing to comply with the general environmental duty;
- Expanding the duty to notify to extend to reasonable belief, rather than actual knowledge of harm.

Consultation is open until 5pm on 10 November 2023 Mondaq / [Read more](#)

AUSTRALIA: IOPC FUNDS VISIT GREAT BARRIER REEF MPA AND TOWNSVILLE VTS CENTRE



Photo courtesy of IOPC Funds - General Manager of the Marine Park Operations Branch, Richard Quincey and IOPC Funds' Director, Gaute Sivertsen

September 20 - Having participated in Spillcon 2023 in Brisbane, Australia earlier in the week, the IOPC Funds' Director, Gaute Sivertsen, and Senior Claims Manager, Chiara Della Mea, were invited to visit the Great Barrier Reef Marine Park Authority (GBRMPA) in Townsville on 15 September 2023.

They met with General Manager of the Marine Park Operations Branch, Richard Quincey, who gave an overview of the work of the GBRMPA, its role in the management of the Great Barrier Reef and, importantly, its work with the Australian Maritime and Safety Agency (AMSA) and the Queensland Government on preparedness and response in the event of a pollution incident. In return, Mr Sivertsen gave a short presentation on the role of the IOPC Funds and the compensation available under the international liability and compensation regime in the event of such an incident.

IOPC Funds / [Read more](#)

BOSNIA AND HERZEGOVINA: ATRAC'S FIRST TRAINING COURSE



September 20 – From 12-13 of September 2023, ATRAC held its first training course in Bosnia and Herzegovina. This training course was held in Zenica and it was organized by Delta Petrol d.o.o., which is the only specialized firm authorized for responding to natural disasters in Bosnia and Herzegovina. This training course gathered professionals from the area of ecological rehabilitation, area of ecology, and a number of members from private and public companies (EPBiH, TE Kakanj, HE na Neretvi, JP Autoceste FBiH, Heidelberg Cement Kakanj, AC Mittal Zenica, ALBA d.o.o. Zenica, Natron Hayat Maglaj, Rafinerija ulja Modriča, Holdina d.o.o. Sarajevo and others) from different areas of the industry. ATRAC shared its knowledge of response to accidental pollution cases on water and how to properly handle them, as well as how to clean them up. *Photo courtesy of ATRAC* ATRAC / [Read more](#)

CHINA: 17TH INTERNATIONAL SYMPOSIUM ON PERSISTENT TOXIC SUBSTANCES & HEALTH HELD AT UM

NEWS FROM AROUND THE WORLD (CONTINUED)

September 18 – The 17th International Symposium on Persistent Toxic Substances & Health is being held at the University of Macau (UM) from today (18 September) to 22 September. The symposium focuses on hot issues and emerging trends in international environmental chemistry and ecotoxicology. It aims to provide a platform for in-depth exchanges between global experts and researchers in the field of persistent toxic substances, and to promote international academic exchanges and cooperation in related fields.

Organised by UM, Hong Kong Baptist University, Research Center for Eco-Environmental Sciences of the Chinese Academy of Sciences, and UMTec Limited, the symposium brings together about 150 delegates from different countries and regions, such as Australia, Canada, mainland China, Hong Kong, Macao, and Taiwan, who share their insights on the fields concerned. EIN News / [Read more](#)

EGYPT: CEDARE SHOWCASES SRI IMPACT ON EGYPT AT THE WRF'23

September 5 - On 5 September 2023, and as part of the WRF'23 in Geneva, Ms. Ghada Moghny, Senior Programme Coordinator at CEDARE delivered a presentation on the “Sustainable Recycling Industries Impact on Egypt”, as part of the scientific session titled “E-waste frameworks, business models and management”. Ms. Moghny overviewed the Egyptian e-waste management scene and the dramatic positive changes rapidly taking place day after day. CEDARE / [Read more](#)

EGYPT: MINISTRY OF ENVIRONMENT IMPLEMENTS AN ENLARGED CAMPAIGN TO CLEAN 5 BEACHES IN ALEXANDRIA

September 17 - Within the framework of the directives of Dr. Yasmine Fouad, Minister of Environment, to intensify beach cleaning campaigns nationwide in conjunction with the celebration of the International Beach Cleaning Day, which the world celebrates on the sixteenth of September of each year, the regional branch of the Environmental Affairs Agency in Alexandria implemented an enlarged campaign to clean the beaches of Saraya, Ras El Tin, Anfushy, El Max and Dekheila from marine debris, with the participation of 120 volunteers from Banlastik Association and a number of civil society institutions. EEAA / [Read more](#)

FRANCE: JULY AND AUGUST ACTIVITIES – CEDRE NEWSLETTER

September 19 – In July and August, Cedre took part in a conference on maritime safety, a large-scale crisis management exercise workshop in Indonesia, and the launch of the Interreg North Sea project TREASURE in Germany. Various discussions were held with the French Corrosion Institute and a French aerial drone manufacturer. Two training courses were run in Africa.

To see all the details, download and read the latest [Cedre Newsletter](#)

GABON: CEDRE IMO 2 TRAINING COURSE FOR TOTALENERGIES GABON

September 19 - From 3 to 7 July, two engineers from Cedre travelled to the premises of the TotalEnergies subsidiary in Gabon to run a training course on oil spill response at sea and on the shoreline. This course, run to IMO 2 standards, was organised in partnership with the [Gabon and Congo TotalEnergies subsidiaries](#). All the theory lectures were held at the Hydrokarst Oil and Gas Training facilities, while the equipment deployment exercises took place at the TotalEnergies logistics base. Very positive feedback was received from the participants. Report in the [Cedre Newsletter](#)

GAMBIA: STRENGTHENING GAMBIA'S OIL SPILL RESPONSE PLANNING

September 19 - The Gambia is being supported to develop its National Oil Spill Contingency Plan (NOSCP), which is the foundation for an effective and sustainable oil spill preparedness and response framework. An in-person national workshop in Banjul, the Gambia (11-15 September), was delivered under the framework of the GI WACAF Project, which works to enhance the capacity of partner countries to prepare for and respond to marine oil spills. Mirage News / [Read more](#)

INDIA: ‘SAMUDRA PRAHARI’ CARRIES OUT POLLUTION RESPONSE TABLE-TOP EXERCISE WITH THAI OFFICIALS AT KHLONG TOEI PORT

September 21 - The Indian Coast Guard (ICG) Pollution-Control Vessel ‘Samudra Prahari’ carried out a comprehensive Pollution Response Table-Top Exercise and Demonstration at Khlong Toei Port in Bangkok, Thailand, on September 20, 2023, the final day of its four-day visit. Latest / [Read more](#)

KOREA TO HOST WORLD ENVIRONMENT DAY 2025 WITH A FOCUS ON ENDING PLASTIC POLLUTION

September 21 - The Republic of Korea will host World Environment Day 2025 with a focus on ending plastic pollution globally, the UN Environment Programme (UNEP) and the Republic of Korea announced today. UNEP / [Read more](#)



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NIGERIA: OIL THIEVES PLOTTING TO SCUTTLE PIPELINE SURVEILLANCE CONTRACT – INC PRESIDENT

September 17 – The President, Ijaw National Congress, Prof Benjamin Okaba, speaks to DANIEL AYANTOYE on the situation in the Niger Delta as result of oil spill, alleged exploitation by oil companies, crude oil theft and the oil discovery in the North, among other issues

Non-state actors are even helping in security more than people who are paid with taxpayers' funds. The Tantita Security Services and a few other group operations have led to substantial improvement in meeting the OPEC quota and we have also seen in recent times that those who are benefitting from the oil theft are clamouring that the contracts should be cancelled. Punch / [Read more](#)

NIGERIA: POLLUTION: DEMAND ENVIRONMENTAL JUSTICE, SCO TELLS RIVERS COMMUNITY

September 18 - Following a massive crude oil spillage in the Eteo community, Eleme Local Government Area of Rivers State, a Civil Society Organisation, Health of Mother Earth Foundation (HOMEF), had charged farmers and fishermen, and hunters whose livelihoods had been destroyed to demand environmental justice and restoration of their polluted environment. Independent / [Read more](#)

PANAMA: INCIDENT COMMAND SYSTEM ENVIRONMENTAL TRAINING COURSE

A Report from Ed Levine, Member of ISCO Executive Committee

Working under contract for Emergency Management Services International (EMSI), Ed Levine (SS&C, LLC & ISCO) and Gabrielle McGrath (RPS) provided Incident Command System (ICS) Environmental Unit Leader (EUL) training (Course ICS-349) to the Panama Canal Authority (ACP) from 11-12 September 2023. The training was hosted by the ACP in Panama City, Panama. The two-day course covered basic ICS principles, the Incident Action Planning cycle and process, required ICS forms, ICS position descriptions, the duties of the EUL, and products created by the Environmental Unit (EU). The role of the EUL is to recommend effective mitigation strategies to minimize the impacts from the incident. Ideally, this member of the response organization will provide advice and guidance to ensure the situation is not made worse in order to expedite the return of the environment to pre-incident conditions.

Multiple roles and responsibilities of the EUL were discussed in the course, including:

- Providing scientific technical expertise and advice to Command and General Staff,
- Acquiring, distributing, and analyzing scientific forecasts (i.e., weather, currents, ice, winds),
- Predicting the fate, transport, and disposition of agents (chemical, oil, radiological, and biological) in the environment,
- Providing recommendations on response countermeasures that produce the greatest net environmental benefit and the process of analyzing these countermeasures against one another (Net Environmental Benefit Analysis)
- Identifying environmental resources at risk,
- Understanding chemical behavior in the environment,
- Understanding environmental processes, including weather, sea state, and hydrology, and
- Interpreting field data and providing recommendations to the Command based on this information.

The instructors also emphasized the importance of leadership qualities for this role to ensure that the personnel working in the EU perform to the highest standards.

The EUL must:

- Coordinate collaboratively with other members of the Incident Management Team,
- Ensure that all EU products are timely, relevant, and high-quality,
- Provide clear and detailed descriptions of EU products at all ICS meetings during the Incident Action Plan planning process,
- Assign the best-qualified personnel available to the incident response and ensure that all members of the EU staff are well-equipped and supported,
- Provide clear priorities, direction, and procedures to all EU staff members, and
- Strive to meet the needs of response stakeholders.

NEWS FROM AROUND THE WORLD (CONTINUED)

Emphasis was also placed on understanding what is necessary to perform Crisis Leadership well. Some personal skills of a good crisis leader discussed in the course included exhibiting appropriate soft skills for interpersonal relationships, asking questions and listening to answers, paying attention to staff members and their well-being, being capable of decision-making with limited and changing information, knowing the EUL role and the role of the other members of the IMT and specifically the EU, demonstrating empathy, and maintaining unity of purpose.

By the end of the course the students were well prepared to perform the roles and responsibilities of the EUL working within the ICS framework. During the two days of instruction and group activities, the attendees became more acquainted with one another and hence more prepared to work side-by-side in a crisis situation. Additionally, they were poised to bring this understanding of preparedness principles back to their “day jobs.”

In addition to the training course, Mr. Levine and Ms. McGrath met with Carlos Sagrera (ISCO Latin America Representative) and Juan Diego Reyna (Phoenix Maritime) while in Panama to discuss opportunities to enhance preparedness and response in the area. Several suggestions were discussed and follow up actions were agreed upon. Mr. Sagrera is very keen to enlist and mentor the next generation of professional responders, and Mr. Reyna is one such individual.

QATAR: NEW VESSELS FOR OIL SPILL CLEAN-UP AND NAVIGATIONAL AID UNVEILED AT DOHA PORT



September 19 - Two new vessels join Mwani Qatar’s fleet to bolster eco-friendly practices and enhance navigation safety, as concerns grow over the vulnerability of critical energy infrastructure. Qatar’s Minister of Transport, Jassim Saif Ahmed Al-Sulaiti, introduced two state-of-the-art marine vessels to Mwani Qatar’s fleet, the ministry announced in a tweet on Monday.

The event was a sideline feature of the Transport Ministry’s “Sustainable Transportation and Legacy for Generations” Conference and Exhibition, which took place on September 17-18 at the Doha Exhibition and Convention Center. Doha News / [Read more](#) [Photo courtesy of Qatar Ministry of Transport]

TAIWAN, CHINA - THE MAIN STATUTES AND REGULATIONS RELATING TO THE ENVIRONMENT

September 18 - The bedrock of environmental protection in Taiwan is the Basic Environment Act (BEA). Specifically, article 3 of the BEA provides that environmental protection must be taken into account in the economic, technological and social development so as to safeguard the long-term national interests; and where economic, technological or social development has a seriously negative impact on the environment or would likely endanger the environment, the protection of the environment must prevail.

Lexology / [Read more](#)

THAILAND: EXTREME PLANKTON BLOOM CREATES MARINE 'DEAD ZONE' OFF EASTERN THAILAND

September 20 - An unusually dense plankton bloom off the eastern coast of Thailand is creating an aquatic "dead zone", threatening the livelihood of local fishermen who farm mussels in the waters. Marine scientists say some areas in the Gulf of Thailand have more than 10 times the normal amount of plankton, turning the water a bright green and killing off marine life. Reuters / [Read more](#)

USA: GOV. HEALEY OF MASSACHUSETTS ANNOUNCES SINGLE USE PLASTIC BOTTLE BAN FOR GOVERNMENT AGENCIES

September 18 - Massachusetts Gov. Maura Healey announced that she will sign an executive order banning state agencies from purchasing single-use plastic bottles on Monday. The announcement came as a part of the Clinton Global Initiative's annual meeting. USA Today / [Read more](#)

USA: CALIFORNIA - MAMMOTH LAKES TOURISM INVESTS \$100,000 TO PRESERVE LAKES WITH CLEAN UP THE LAKE

September 19 - Remediation efforts to begin this week in Lake George and continue through 2026. [Mammoth Lakes Tourism](#) (MLT) is proud to announce a new fundraising campaign committed to cleaning up the region's lakes in partnership with Clean Up The Lake (CUTL). Every dollar raised over the next four years (up to \$100,000) will be matched by MLT. Globe Newswire / [Read more](#)

USA: MICHIGAN - GREAT LAKES EPA OFFICE REAFFIRMS 2030 CLEANUP GOAL FOR DETROIT RIVER, OTHER CONTAMINATED SITES

September 21 - The EPA's Chris Korleski gets excited when speaking about cleaning up the Great Lakes region's decades-old, contaminated sediment sites like the Detroit River. He talks about the "tremendous effort" that's been rekindled in the past two years under the Biden administration. And how "motivated" the people who work to advance the cleanup are and the value of the partnerships that facilitate restoration. Great Lakes Now / [Read more](#)

USA: LATEST NEWS REPORTS FROM NOAA OR&R

September 25 – Please click on the links below to download and read the latest news from NOAA OR&R.

[Long Point Bayou Marsh Restoration Underway to Compensate for Calcasieu Estuary oil spill](#)

OR&R's Dan Hahn joined NOAA Restoration Center staff, along with Louisiana State Trustees on a September 14th site visit to the Long Point Bayou marsh creation project. The site visit was to assess the progress made on restoration that targets 392 acres of marsh creation as part of the actions to compensate the public for the lost natural resources resulting from the [2006 CITGO Slop oil spill](#) into the Calcasieu River.

[NOAA Convenes Plastic Pellet Spill Response Workshop](#)

On September 6 and 7, staff from NOAA's [Office of Response and Restoration](#) participated in a workshop sponsored by the Office and facilitated by the University of New Hampshire's [Coastal Response Research Center](#) (link is external) that explored what is known and uncertain about plastic pellets and what occurs when they are spilled into marine and coastal environments.



PEOPLE IN THE NEWS

SINGAPORE ENVIRONMENT COUNCIL APPOINTS HAZRI HASSAN FROM ENVIRONMENT MINISTRY AS EXECUTIVE DIRECTOR



Singapore non-government organisation, Singapore Environment Council (SEC) has appointed a senior executive from the government's environment ministry as its new executive director.

Effective from 1 November, Hazri Hassan joins SEC from the Ministry of Sustainability and Environment (MSE), where he served as the divisional director (international policy), and represented Singapore as a permanent representative to the United Nations Environment Programme. Eco Business / [Read more](#)

PEOPLE IN THE NEWS (CONTINUED)

CHRISTOPHER KEMPER NAMED NEW UNEP ADVOCATE FOR PARTNERSHIPS

Entrepreneur and climate advocate Christopher (Chris) Kemper was today designated the UN Environment Programme's (UNEP) Advocate for Partnerships during the 78th session of the United Nations General Assembly in New York. In his new role, Kemper will bring partners together to mobilize urgent collaborative action to address the triple planetary crisis of climate change, biodiversity loss and pollution and waste.

Chris Kemper is the first UNEP Advocate to serve in this role, which recognizes his track record as an entrepreneurial leader building technology solutions to climate change.

UNEP / [Read more](#)



NEWS FROM ISCO MEMBERS – AN ISCO MEMBERSHIP BENEFIT

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 60 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

Members who would like to place a regular advertisement in the ISCO Newsletter can also benefit from preferential discounted rates. For more info please contact Mike Watson at mike@mwadigital.com He will be happy to help you.

NURDLES - PREVENTION, CLEAN-UP TECHNOLOGY AND ONGOING R&D WORK



The ISCO Executive Committee is looking into how our organisation can assist by co-operating with others in promulgating better prevention and response capabilities that can be adopted on a worldwide basis.

Readers of the ISCO Newsletter are invited to contribute information that can be shared within our community and help to improve our capability to counter this pollution in more effective ways.

ISCO Committee Member, Dr Larissa Montas, is a contributor to this section in the ISCO Newsletter.

Dr. Larissa Montas attended the Nurdles/Plastic Pellets Response workshop held on September 6 & 7, 2023 at the NOAA Center for Weather & Climate Prediction (NCWCP), in College Park, Maryland. The workshop was a success and the attendees were very enthusiastic about the next steps following the workshop outcomes. A report has been prepared and has been sent it over to the workshop organizers for approval of the content. It will be published here ASAP.

RECENT INTERESTING PEER-REVIEWED OIL SPILL PUBLICATIONS

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



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.

233. Towards a framework for mangrove restoration and conservation in Nigeria

Sam K., Zabbey N., Gbaa N.D., Ezurike J.C., Okoro C.M.
(2023) Regional Studies in Marine Science, 66, art. no. 103154,
DOI: 10.1016/j.rsma.2023.103154

ABSTRACT: Mangroves are significant sinks for organic carbon, and there is increased interest to restoring and conserving them for greenhouse gas emissions mitigation. However, mangrove ecosystems are significantly threatened by anthropogenic factors, resulting in mangrove loss at an unprecedented rate and scale. In contrast to the global trend of reducing mangrove loss, mangroves in the Niger Delta of Nigeria, the hub of Africa's largest expanse of mangroves, are being significantly degraded, primarily by human activities. This will continuously limit the capacity of the region to contribute to, and achieve carbon neutrality, create decent jobs for the local population, provide ecosystem goods and services, and enhance sustainable development goals. This research initiates a conceptual framework to inspire and drive sustainable mangrove restoration and conservation in the Niger Delta, and other

regions where mangrove restoration is in its early stages due to lack of enabling policies Leveraging the recently launched Principles for Ecosystem Restoration to guide the United Nations Decade for Ecosystem Restoration (2021–2030), we discussed broadly the contextual preconditions for sustainable mangrove restoration and adaptive management. To achieve the no-net-loss targets of global conservation, integrative knowledge and policy-driven restoration, co-management and bespoke community science regimes, economic and energy diversification, and an effective oil spill management contingency plan are outlined as the key enablers.

234. Modeling chronic oil pollution from ships

Liubartseva S., Coppini G., Verdiani G., Mungari T., Ronco F., Pinto M., Pastore G., Lecci R.
(2023) *Marine Pollution Bulletin*, 195, art. no. 115450,
DOI: 10.1016/j.marpolbul.2023.115450

ABSTRACT: Stochastic simulations of virtual oil spills from ships were performed for the Adriatic Sea over 2017–2020, applying the European Marine Observation and Data Network vessel densities as a proxy for starting locations of operational spillage. The MEDSLIK-II oil spill model was run using high-resolution currents provided by the Copernicus Marine Service and the European Centre for Medium-Range Weather Forecasts winds. Chronic exposure to operational oil spills was reported in terms of hazard indices for five vessel groups: pleasure and passenger ships, cargo and service vessels, the fishing fleet, tankers, and other ships. The northernmost Adriatic expectedly showed the highest hazard values, including the areas of Trieste and Venice, where cargo and service ships were the dominant polluters. The Croatian coastal waters were more chronically polluted than the Italian coastal waters; the predominant contribution was from coastwise pleasure and passenger ships.

235. Hot and Cold: Photochemical Weathering Mediates Oil Properties and Fate Differently Depending on Seawater Temperature

Freeman D.H., Niles S.F., Rodgers R.P., French-McCay D.P., Longnecker K., Reddy C.M., Ward C.P.
(2023) *Environmental Science and Technology*, 57 (32), pp. 11988 - 11998,
DOI: 10.1021/acs.est.3c02962

ABSTRACT: Photochemical weathering transforms petroleum oil and changes its bulk physical properties, as well as its partitioning into seawater. This transformation process is likely to occur in a cold water marine oil spill, but little is known about the behavior of photochemically weathered oil in cold water. We quantified the effect of photochemical weathering on oil properties and partitioning across temperatures. Compared to weathering in the dark, photochemical weathering increases oil viscosity and water-soluble content, decreases oil-seawater interfacial tension, and slightly increases density. Many of these photochemical changes are much larger than changes caused by evaporative weathering. Further, the viscosity and water-soluble content of photochemically weathered oil are more temperature-sensitive compared to evaporatively weathered oil, which changes the importance of key fate processes in warm versus cold environments. Compared to at 30 °C, photochemically weathered oil at 5 °C would have a 16× higher viscosity and a 7× lower water-soluble content, resulting in lower entrainment and dissolution. Collectively, the physical properties and thus fate of photochemically weathered oil in a cold water spill may be substantially different from those in a warm water spill. These differences could affect the choice of oil spill response options in cold, high-light environments.

236. Assessment of the effect of short-term weathering on the molecular-level chemical composition of crude oils in contact with aquatic environments

Carregosa J.C., Castiblanco J.E.B., Santos T.M., Prata P.S., Santos J.M., Wisniewski A., Jr
(2023) *Environmental Science and Pollution Research*, 30 (42), pp. 95738 - 95757,
DOI: 10.1007/s11356-023-29148-7

ABSTRACT: Multiple studies have focused on the effect of long-term weathering processes on oils after spill events, without considering the chemical compositional changes occurring shortly after the release of oil into the environment. Therefore, the present study provides a broad chemical characterization for understanding of the changes occurring in the chemical compositions of intermediate ($^{\circ}\text{API} = 27.0$) and heavy ($^{\circ}\text{API} = 20.9$) oils from the Sergipe-Alagoas basin submitted to two simulated situations, one under marine conditions and the other in a riverine environment. Samples of the oils were collected during the first 72 h of contact with the simulated environments, followed by evaluation of their chemical compositions. SARA fractionation was used to isolate the resins, which were characterized at the molecular level by UHRMS. The evaporation process was highlighted, with the GC-FID chromatographic profiles showing the disappearance of compounds from n-C10 until n-C16, as well as changes in the weathering

indexes and pristane + n-C17/phytane + n-C18 ratios for the crude oils submitted to the riverine conditions. Analysis of the resins fraction showed that basic polar compounds underwent little or no alterations during the early stages of weathering. The marine environment was shown to be much less oxidative than the riverine environment. For both environments, a feature highlighted was an increase of acidic oxygenated compounds with the increase of weathering, especially for the crude oil with °API = 27.0.

237. Effect of Crude Oil on the Geotechnical Properties of Various Soils and the Developed Remediation Methods

Mekkiyah H.M., Al-Hamadani Y.A.J., Abdulhameed A.A., Resheq A.S., Mohammed Z.B.
(2023) Applied Sciences (Switzerland), 13 (16), art. no. 9103,
DOI: 10.3390/app13169103

ABSTRACT: Crude oil still affects many countries because it is one of the essential fuel sources. It makes life more manageable in modern communities and cannot be overstated because it is easy to use and find. However, the pollution caused by its use in industries such as mining, transportation, and the oil and gas business, especially soil pollution, cannot be ignored. Soil pollution is an issue in most communities because it influences people and ecology. Accidental infusions and spills of ore oils are prevalent occurrences leading to the entire or fractional exchange of the soil pore fluid by oil-contaminated soils that have affected the geotechnical engineering properties. The liquid limitations for polluted soil grades silty loam and sandy loam decreased by 38% and 16%. Oil contamination leads to decreased permeability; the permeability values for sandy loam soil decreased from $(3.6 \times 10^{-6}$ to 0.25×10^{-6} cm/s) when the oil content increased from 0 to 16%; however, the permeability values for silty loam decreased from $(2.6 \times 10^{-6}$ to 0.25×10^{-6}) cm. The current study results exhibit that the geotechnical properties of contaminated soil with oil slag can be modified upon adding cement at different weight percentages (3, 5, and 7%) to the soil. The Atterberg limits and specific gravity of the soil were noticeably reduced when it was stabilised with cement, as well as because oil spills on soil significantly influence the environment. So, there is an immediate and critical need for efficiently removing petroleum hydrocarbon pollutants from contaminated soil. Bioremediation is a new technology gaining interest worldwide to clean up sites that have polluted petroleum hydrocarbons.

238. Effect of Crude Oil on the Geotechnical Properties of Various Soils and the Developed Remediation Methods

Bhattacharyya A., Liu L., Walsh M., Lee K.
(2023) Marine Pollution Bulletin, 194, art. no. 115397,
DOI: 10.1016/j.marpolbul.2023.115397

ABSTRACT: Canadian oil spill response regulations require collection of all liquids from a response operation, this involves many vessels and frequent trips to shore to dispose of collected liquids, which mainly comprise of water. Onsite treatment of decanted oily seawater would benefit operations by addressing vessel storage and trip frequency issues. Membrane technology has proven effective at treating oily wastewater from various industries; therefore, is a good candidate for onsite treatment of wastewater generated from response operations. In this study, oily seawater treatment efficiency of a pilot-scale physical membrane filtration and a bench-scale membrane bioreactor (MBR) were compared. Three main parameters were considered, total petroleum hydrocarbon, petroleum hydrocarbon fractions, and polycyclic aromatic hydrocarbons. 99.1 % and 98.2 % TPH removal efficiency were achieved by MBR (93.1 ppm initial oil concentration) and membrane filtration (28.3 ppm initial oil concentration), respectively. The MBR showed more promise than membrane filtration for onsite treatment of decanted wastewater.

239. Rhamnolipid Biosurfactants Enhance Microbial Oil Biodegradation in Surface Seawater from the North Sea

Lu L., Rughöft S., Straub D., Joye S.B., Kappler A., Kleindienst S.
(2023) ACS ES and T Water, 3 (8), pp. 2255 - 2266,
DOI: 10.1021/acsestwater.3c0004

ABSTRACT: Biosurfactants are promising alternatives to chemical dispersants for combating marine oil spills; however, the impacts of biosurfactants on microbial community composition and oil biodegradation activities remain largely unknown. Here, we conducted a time-course microcosm experiment mimicking oil spill scenarios with surface seawater from the North Sea, amended

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with either the biosurfactant rhamnolipid or a dispersant (Corexit 9500 or Slickgone NS). Radioactive tracer assays to track hexadecane and naphthalene oxidation as well as bacterial production revealed the highest hydrocarbon oxidation rates and general microbial activities in the rhamnolipid-amended oil microcosms, followed by oil microcosms with Slickgone and Corexit. Impacts on the microbial community composition differed among treatments, and growth of oil-degrading *Colwellia* was stimulated remarkably in Corexit-amended oil and oil-only microcosms, while potential oil-degrading *Oleispira* were highly enriched in the presence of oil in combination with rhamnolipid or Slickgone. Furthermore, increased abundances of *Colwellia* and *Oleispira*, and stimulated bacterial production in microcosms with only rhamnolipid, Corexit, or Slickgone, indicated their involvement in biosurfactant/dispersant biodegradation. Our findings highlight varying microbial impacts resulting from rhamnolipid and chemical dispersants and suggest great promise for the application of biosurfactant.

SCIENCE & TECHNOLOGY (

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NATURE'S CLEANUP CREW: HOW LIVING ORGANISMS ARE TACKLING PLASTIC POLLUTION

Discover the incredible role played by various living organisms in combating plastic pollution. From microbes to marine life, learn how nature's cleanup crews are working tirelessly to protect our planet from the plastic menace. In the face of this crisis, nature itself has deployed its own cleanup crews – living organisms that have adapted to feast on plastic and help mitigate this growing problem.

These remarkable plastic-munching organisms, ranging from microscopic bacteria to larger marine creatures, are nature's unsung heroes in the battle against plastic pollution. In this article, we'll delve into the fascinating world of these eco-warriors and explore how they are playing a vital role in preserving our environment. Deviscourse / [Read more](#)

OPTIMISATION OF SOIL WASHING METHOD FOR REMOVAL OF PETROLEUM HYDROCARBONS FROM CONTAMINATED SOIL AROUND OIL STORAGE TANKS USING RESPONSE SURFACE METHODOLOGY

Soil washing method is a remediation technique used to remove contaminants from the soil. This process involves the use of water or other solvents to extract contaminants from the soil, followed by separation and disposal of the contaminated solution. This research engineered the effectiveness of soil washing method to remove TPHs from a genuine, sullied soil sample. After analyzing the physical and chemical properties of the soil, the Box-Benken Design (BBD) technique was used to optimize the variables that influence the process's effectiveness. Nature / [Read more](#)

ANNOUNCEMENT



We are pleased to announce that the International Maritime Organization (IMO) and United Nations Environment Programme (UNEP), with support from the Government of Norway, are jointly hosting the third IMO-UNEP-Norway Innovation Forum on Thursday, 28 September 2023.

[To learn more about this event click here to visit the Innovation Forum Website](#)

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 – <https://www.emsa.europa.eu/newsroom/latest-news/item/3609-emsa-training-catalogue-2019.html>
- FRANCE - CEDRE - https://wwz.cedre.fr/en/content/download/10912/file/CalendrierFormation2023_EN.pdf
- UK & WORLDWIDE – OIL SPILL RESPONSE LTD. - <https://www.oilspillresponse.com/training/courses/>

TRAINING COURSES (CONTINUED)

- 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
- USA - Elastec Fall Workshop, New Harmony, Indiana, 3-5 October 2023. [More Info](#)

Contaminated Sites Health & Safety Refresher (8-Hour Hazwoper) – From EcoNext – [More info](#)

Members who would like to be listed here, please contact your editor – john.mcmurtrie@spillcontrol.org

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

The listings below give only very basic details – To get access to all information visit <https://spillcontrol.org/upcoming-events/>

SEPTEMBER & OCTOBER 2023

- WEBINAR from UK & Ireland Spill Association – “Inland Spill Equipment Selection for Spill Responders”, 27th September, 1500 to 1630 BST USA – Elastec Fall Workshop. New Harmony. Indiana, 3-4 October 2023
- WEBINAR – ExxonMobil Oil Spill Response Knowledge Transfer, “Environmental Effects of Oil in the Sea”, Webinar 21, 3rd October, 2023
- MALAYSIA – OSRL – “Subsea Forum in Malaysia”, 4th October, KL
- WEBINAR from ALGA – “Natural Source Zone Depletion (NSZD) in reality and practice”, 5th October, 12.00 pm to 1.00 pm AEST
- FRANCE – Immersion Meeting at CEDRE – “Chemical Risk Management at Sea”, 6th October 2023
- WEBINAR – OSRL – “Risk Assessment and Contingency Planning” 10th October, 1400-1500 BST
- CANADA – Remediation Technologies Symposium (REMTECH) 2023, Fairmont Banff Springs, 11-13 October 2023
- THAILAND – Economist – “Global Plastics Summit”, Bangkok, 11-12 October 2023
- WEBINAR from UK & Ireland Spill Association – “Implications of the lessons learned from the Wakashio Incident”, 18th October 2023, 1500-1630 BST
- UK – ITAC Annual Meeting, 24th-26th October, National Oceanography Centre, Southampton
- CANADA – Econext 2023 Conference, St. Johns, NL, 26th October 2023
- BRAZIL – International Seminar – ISCO & Ocean Pact Brazil “Lessons Learned for Brazil & Latin America, Preparedness, Response & Crisis Management, Case Studies”, Rio de Janeiro, 27th October 2023

NOVEMBER 2023 & ONWARDS

- UK – UK & Ireland Spill Association Conference – Annual Conference, Dinner & Awards, 1-2 November, Nottingham
- CANADA – Forum from Transport Canada – “Fall 2023 Oceans Protection Plan (OPP), Pacific Dialogue Forum”, 2nd November 2023, 8.40-9.40 PDT
- ITALY – ECOMONDO Exhibition & Conference, Rimini, 7-12 November 2023
- UK – IOPC Funds – November 2023 Meeting of the Governing Bodies, 7th to 10th November. IMO HQ London
- WEBINAR – ExxonMobil Oil Spill Response Knowledge Transfer, “Human Health Effects of Oil in the Sea”, Webinar 22, 7th November 2023
- USA – Clean Gulf Conference & Exhibition, “Prepare, Respond and Recover”, San Antonio, TX, 7-9 November 2023
- INDIA – SPILLTECH Conference & Exhibition, 8th to 9th November 2023, New Delhi
- WEBINAR – OSRL – “Equipment and Resources for Effective Response”, 14th November, 1400-1500 GMT
- WEBINAR from UK & Ireland Spill Association – “Early lessons to be learned from the Poole Harbour incident”, 15th November 2023, 1500-1630 GMT

UPCOMING EVENTS (CONTINUED)

- **WEBINAR – ExxonMobil Oil Spill Response Knowledge Transfer, “Round Table Discussion to provide Summary and Recommendations”, Webinar 23, 5th December 2023**
- **UK – Seatrade Maritime Salvage & Wreck Conference, 6-7 December 2023**
- **UK – Panel Discussion at Salvage & Wreck Conference – “Effective Casualty Management – A Joint Session with Maritime Authorities and Industry”, Wednesday 6th December, 1200-1245 GMT**
- **WEBINAR – OSRL – “Training, Exercises and Continuous Improvement” 12th December, 1400-1500 GMT**

SOME OTHER INFO - Recordings of past ExxonMobil OSR Knowledge Transfer Webinar Recordings – [Access and Download UK & Ireland Spill Association Alternative Marine Fuels And Their Implication For Spill Response Webinar](#) is [now available to watch on YouTube](#).

MESSAGES FROM EVENT ORGANISERS

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

A full, printable program is available for the 2023 CLEAN GULF Conference & Exhibition, taking place November 7-9 in San Antonio, TX. Check out the digital program and see what’s in store at this year’s CLEAN GULF! [Download the program](#)
[List of Exhibitors](#)

INDIA: SPILLTECH – “PROTECTION AND RESTORATION OF OCEAN HEALTH” NEW DELHI, 8-9 NOVEMBER 2023

The SPILLTECH Conference provides a vital forum for professionals from the international response companies, private sector, government & non- governmental organizations and academia to come together to come-out with an effective and efficient methodologies to tackle the spill challenges faced by Industries. The practical knowledge sharing, discussions on new innovation in this field and latest technological development will help to safely & effectively handle these spill situations to save marine life and save the environment. [Download the Event Brochure](#)

USA: SAVE THE DATE FOR IOSC 2024

International Oil Spill Conference (IOSC) in New Orleans, May 13-16, 2024

IOSC has Extended the Space Selection Deadline. IOSC will be holding an online Space Selection on Wednesday, 9/27. To participate in the online Space Selection a contract must be submitted by Wednesday, 9/20.

#IOSC2024 provides a vital forum for professionals from the international response community, private sector, government, and non-governmental organizations to come together to tackle the greatest challenges facing us with sound science, practical innovation, social engineering and imagination. Mark your calendars and start planning your trip to join over 1,500 attendees from over 50 countries, representing government agencies, contractors, researchers, industry, and other stakeholders as they exchange ideas and lessons learned from actual spill responses and research around the world. Stay tuned, registration details will be announced in August. We look forward to seeing you in New Orleans next year.

Learn More about IOSC 2024 Be sure to follow IOSC on [Facebook](#), [Twitter](#), and [LinkedIn](#) for updates and announcements about #IOSC2024. Please contact registration@iosc.org for questions or additional information. Interested in exhibiting or sponsorship? Please reach out to: exhibits@iosc.org

USA: CLEAN WATERWAYS 2024 – REGISTRATION

Reminder: Registration Now Open for CLEAN WATERWAYS 2024

Registration has officially opened for the 2024 CLEAN WATERWAYS Conference, taking place at the Duke Energy Convention Center in Cincinnati, OH, April 9-11. Registration rates are at the lowest rates we will offer all year and increase by \$150 after Friday, October 27th.

[Registration information](#)

April 9-11, 2024, Cincinnati, OH – “Incident Prevention & Response for Inland Regions & Waterways” [View the website](#)

The CLEAN WATERWAYS program is developed by a government/industry-based committee of approximately 50 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. **Abstracts will be accepted for consideration until Friday, September 15, 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 Federal Contract Opportunities are posted at <https://clu-in.org/Federal-Contract-Opportunities>

European Maritime Safety Agency invitations to tender are often posted in The EMSA Newsletter at - <https://www.emsa.europa.eu/newsroom/newsletters.html>

ISCO Members can post requests for submission of invitations to tender for supplies / services in this section. The ISCO Newsletter is circulated to nearly 3,000 registered subscribers in 60 countries worldwide and represents a well targeted audience for sourcing invitations to tender. Send requests to the Editor – john.mcmurtrie@spillcontrol.org

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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. This page is managed by Mike Watson mike@mwadigital.com

NEW PUBLICATIONS

CANADA – SOPF – NEWS BLOG

[Download this news round-up](#)

FRANCE – CEDRE NEWSLETTER

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NORTH-EAST ATLANTIC - OSPAR'S QUALITY STATUS REPORT 2023

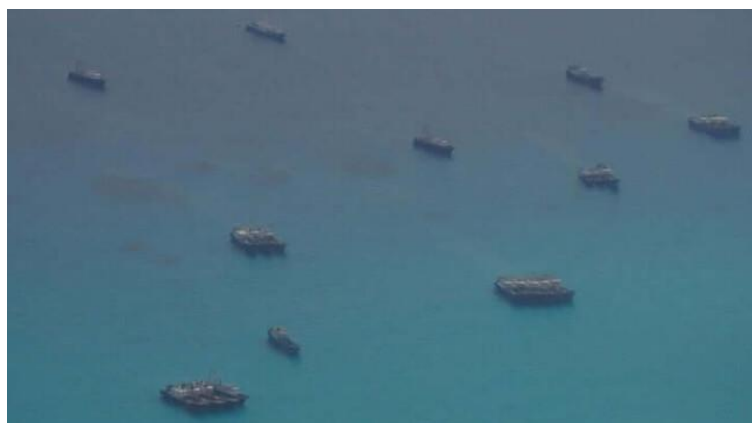
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INCIDENT REPORTS

MARITIME ACCIDENT REPORTS FROM THE MARITIME BULLETIN

In the Maritime Bulletin, Mikhail Voytenko regularly advises on vessel abandonments, groundings and sinkings – several every week – but, unless there is an immediate and significant release of oil or chemicals, spillages are not reported. However, many of Mikhail's reports cover incidents that may have potential to cause pollution. To view all of his reports, visit <https://www.maritimebulletin.net/>

PHILIPPINES FINDS MASSIVE CORAL REEF DAMAGE FROM CHINESE HARVESTING



Chinese fishing vessels at Iroquois Reef, Sept. 2023 (Armed Forces of the Philippines) Chinese fishing vessels at Iroquois Reef, Sept. 2023 (Photo courtesy of Armed Forces of the Philippines)

September 17 - The Philippine armed forces have accused Chinese fishing interests of illegally damaging coral on a vast scale at Iroquois Reef, a disputed land feature in the Spratly Islands. In a recent patrol past Iroquois Reef, the AFP discovered what it believes to be evidence of "massive" destruction of coral by Chinese fishing vessels.

The Maritime Executive / [Read more](#)

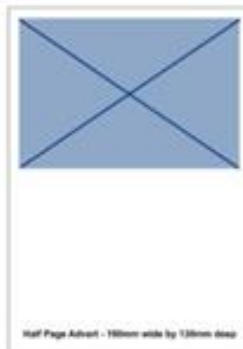
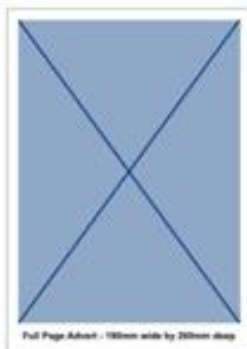
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ISCO's weekly newsletter is focused in international, regional and national news that is of interest to professionals, companies and organisations involved in oil and chemical spill control and the emerging field of CBRN incident response.

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.

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INCIDENT REPORTS (CONTINUED)

USA: HAWAII - GLOBAL DIVING TO REMOVE SUNKEN BOATS AND FIRE DEBRIS IN LAHAINA



Burned debris and a line of lucky surviving boats at Lahaina's small boat harbor, Sept. 12. Burned debris and a line of lucky surviving boats at Lahaina's small boat harbor, Sept. 12 (Photo courtesy of State of Hawaii)

INCIDENT REPORTS (CONTINUED)

September 17 - The U.S. Coast Guard and its agency partners are moving ahead with a cleanup of the boat harbor at Lahaina, which was devastated by a raging wildfire on August 8. Most of the city was burned to the ground, and the harbor is filled with dozens of pieces of wreckage, the agency says. The U.S. Coast Guard led the initial water-side response to the fire, rescuing 17 people overnight August 8-9. The U.S. Navy contributed salvage divers for the search and recovery operation in the weeks that followed. The Maritime Executive / [Read more](#)

USA: FLORIDA - EVACUATION ORDER LIFTED AFTER TOXIC CHEMICAL SPILL OVERNIGHT IN SOUTHSIDE: JFRD

September 17 - An evacuation order has been lifted between University Boulevard and JTB after a rail car carrying nearly 30,000 gallons of the chemical hydrochloric acid spilled early Sunday morning, according to the Jacksonville Fire and Rescue Department. A private hazardous material company brought in from Florida East Coast Railway is handling the spill and is hired to clean everything up. News 4 JAX / [Read more](#)

INFORMATION FOR ISCO MEMBERS

NEWSLETTER POLICY ON HANDLING OF PRESS RELEASES

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. Members of ISCO are given priority over non-members in allocation of editorial space.
5. Subject matter of press releases must be relevant to the interests of the spill response community
6. Space availability for printing press releases is limited and they should be kept short
7. If a press release is too long only part of it will be printed but a link can be included for downloading its entirety
8. Links for downloading additional information or viewing video material can be included
9. Depending on space availability press releases may be included in the next issue or held over for a future issue
10. The placing of press releases is usually allocated within sections as follows –

PEOPLE IN THE NEWS – Announcements of new appointments, retirements, honours, awards, etc. relating to senior people in a company or organisation. Photo/s usually included.

SCIENCE & TECHNOLOGY – Reserved for technical content relating to new developments that represent a significant technological advance – photos, diagrams, etc. should be included.

CASE HISTORIES – Welcomed for publication subject to educational content criteria. In publishing case histories the objective is to pass on experience and lessons learned that will be of interest to other professionals in our community. There is a benefit for contributors because publication of case histories raises the profile of the company concerned.

NEW PRODUCTS & SERVICES – Announcement of the launch of a new product or service. Photo/s usually provided.

COMPANY NEWS - Change of address, phone numbers, etc.; Award of a major new contract, Other news of significance concerning the company or organisation. ISCO Corporate Members are given priority.

EQUIPMENT FOR SALE - For corporate members only – to assist in disposal of equipment that is surplus to requirements.

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